

Converting Colors

$Y_{xy}(90.0200, 0.3040, 0.3196)$

Have a look what the booklet for
Yxy(90.0200, 0.3040, 0.3196)
contains.

Yxy(90.1439, 0.3042, 0.3201)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(90.1439, 0.3042, 0.3201)

Conversions

Conversions Part 1

Format	Color
Hex	EFF4FD
RGB	239, 244, 253
RGB Percent	94%, 96%, 99%
CMY	0.0629, 0.0431, 0.0079
CMYK	0.06, 0.04, 0.00, 0.01
HSL	218°, 78%, 96%
HSV	218°, 6%, 99%
XYZ	85.6663, 90.1439, 105.8015
YIQ	243.5310, -5.8690, 1.7390

Conversions

Conversions Part 2

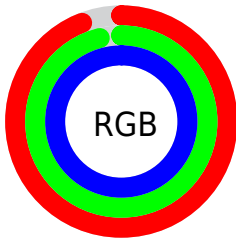
Format	Color
R _Y B	239, 243, 253
Decimal	15725821
CIE Lab	96.06, -0.02, -4.89
CIE LCh	96, 4.895, 269.718
Yxy	90.1439, 0.3042, 0.3201
Android (android.graphics.Color)	4293915901 (0xFFEFF4FD)
YUV	243.5310, 4.6682, -3.9737
Hunter-Lab	94.9441, -5.0951, 0.3908

Details

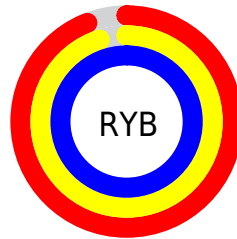
The Yxy color **90.1439, 0.3042, 0.3201** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.2066, 0.3213, 0.3377**, and the grayscale version is **90.0366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0192, 0.3026, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **76.7314, 0.2880, 0.3025**, and if you desaturate by 10%, it is **99.8711, 0.3139, 0.3309**.

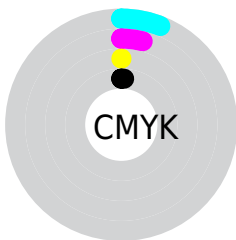
Distribution



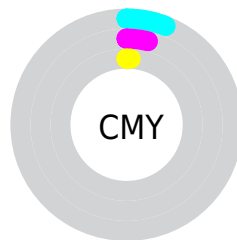
- Red (94%)
- Green (96%)
- Blue (99%)



- Red (94%)
- Yellow (95%)
- Blue (99%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)




- Cyan (6%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1439, 0.3042, 0.3201 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 90.1439, 0.3042, 0.3201 by changing the saturation by 10% instead.


 90.1439, 0.3042,
0.3201

 90.1439, 0.3042,
0.3201


528.4988, 0.3080,
0.3241

 68.1000, 0.3034,
0.3192

147.5383, 0.3055,
0.3214

 49.9791, 0.3024,
0.3182


183.6575, 0.3060,
0.3220

 35.3968, 0.3011,
0.3169


225.2373, 0.3064,
0.3224

 23.9687, 0.2995,
0.3152

272.6621, 0.3068,
0.3228

 15.3104, 0.2974,
0.3129

326.3163, 0.3072,
0.3232

 9.0375, 0.2944,
0.3099

386.5842, 0.3075,

 4.7657, 0.2901,

0.3235

0.3054

453.8502, 0.3077,
0.3238

■ 2.1104, 0.2832,
0.2981

■ 0.6705, 0.2671,
0.2813

■ 90.1439, 0.3042,
0.3201

■ 90.1439, 0.3042,
0.3201

■ 76.7314, 0.2880,
0.3025

99.8711, 0.3139,
0.3309

■ 64.7394, 0.2709,
0.2828

■ 54.1217, 0.2532,
0.2612

■ 44.8251, 0.2354,
0.2379

■ 36.7927, 0.2180,
0.2134

■ 29.9628, 0.2018,
0.1884

■ 24.2678, 0.1875,
0.1638

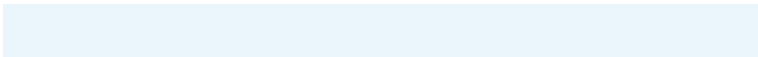
■ 19.6314, 0.1759,
0.1406

■ 15.9643, 0.1674,
0.1200

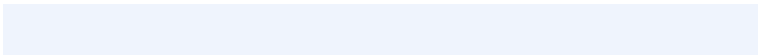
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1439, 0.3021, 0.3228



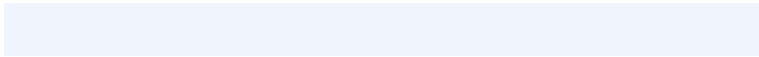
90.1439, 0.3042, 0.3201



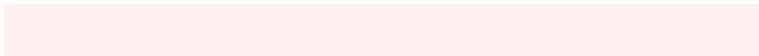
90.1439, 0.3085, 0.3198

Triad

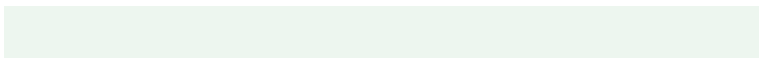
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1439, 0.3042, 0.3201



90.1439, 0.3227, 0.3307



90.1439, 0.3113, 0.3363

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



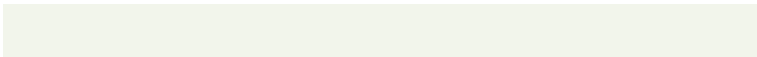
90.1439, 0.3042, 0.3201



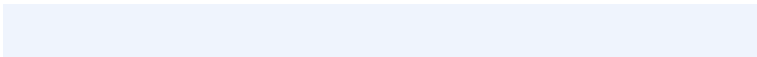
94.2066, 0.3213, 0.3377

Split Complementary

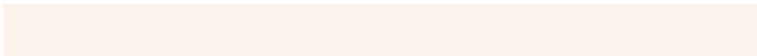
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.1439, 0.3169, 0.3384



90.1439, 0.3042, 0.3201



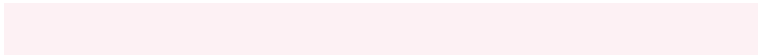
90.1439, 0.3234, 0.3351

Square

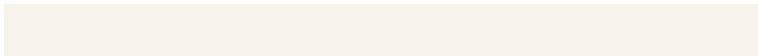
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



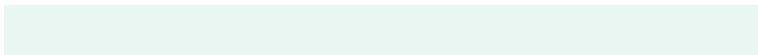
90.1439, 0.3042, 0.3201



90.1439, 0.3192, 0.3259



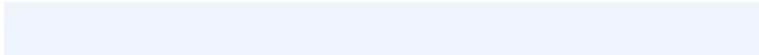
90.1439, 0.3213, 0.3380



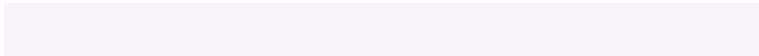
90.1439, 0.3062, 0.3322

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1439, 0.3042, 0.3201



90.1439, 0.3122, 0.3209



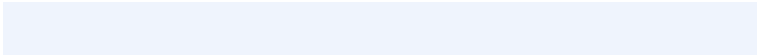
90.1439, 0.3213, 0.3380



90.1439, 0.3132, 0.3373

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



90.1477, 0.3042, 0.3201



96.9813, 0.3097, 0.3259



95.3557, 0.3070, 0.3341



20.7897, 0.3098, 0.3260



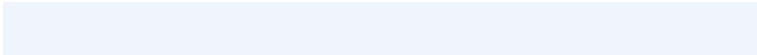
0.0000, 0.0000, 0.0000



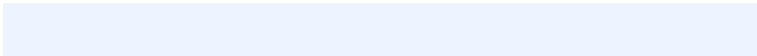
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1477, 0.3042, 0.3201



89.6992, 0.3019, 0.3177



87.4764, 0.3055, 0.3151



19.0166, 0.3009, 0.3166



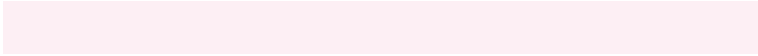
8.0155, 0.1652, 0.1146



0.9787, 0.1714, 0.1371

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



89.1265, 0.3189, 0.3241



88.4214, 0.3206, 0.3228



97.0042, 0.3197, 0.3426



18.7230, 0.3214, 0.3222



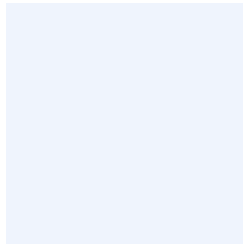
11.5371, 0.5543, 0.2827



1.1433, 0.5230, 0.2655

Previews

White Background



This preview shows how the Yxy color 90.1439, 0.3042, 0.3201 looks on a white background.

Color Contrast Check

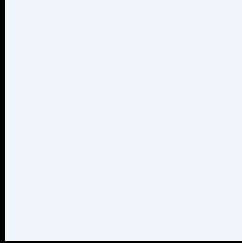
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 90.1439, 0.3042, 0.3201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

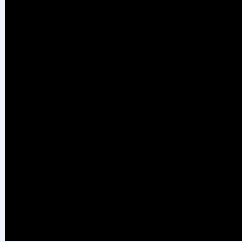
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

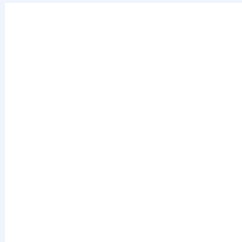
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1439, 0.3042, 0.3201

Background



This preview shows how black text looks on a background with the Yxy color 90.1439, 0.3042, 0.3201.

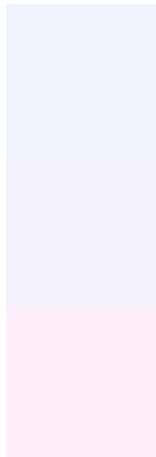


This preview shows how white text looks on a background with the Yxy color 90.1439, 0.3042, 0.3201.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

90.1439, 0.3042, 0.3201

Protanopia

89.9450, 0.3087, 0.3192

Deuteranopia

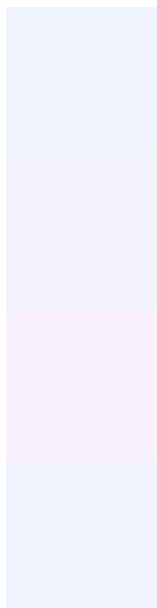
89.8951, 0.3165, 0.3184



Tritanopia

90.1984, 0.3050, 0.3172

Trichromacy



Original Color

90.1439, 0.3042, 0.3201

Protanomaly

90.1841, 0.3074, 0.3201

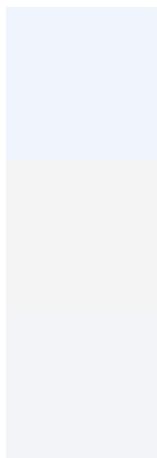
Deuteranomaly

90.0154, 0.3119, 0.3193

Tritanomaly

89.9577, 0.3049, 0.3181

Monochromacy



Original Color

90.1439, 0.3042, 0.3201

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.2940, 0.3096, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1439, 0.3042, 0.3201 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(239, 244, 253)` looks like.

```
.text, #text, p{  
    color:rgb(239, 244, 253)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(239, 244, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 244, 253) }
```

Border

The CSS property to change the border of an element to Yxy 90.1439, 0.3042, 0.3201 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 244, 253) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(239, 244, 253) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(239, 244, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 244, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 244, 253);  
box-shadow:4px 4px 4px 4px rgb(239, 244,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1439, 0.3042, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 244, 253) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(239,  
244, 253) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor