

Converting Colors

$Yxy(90.5766, 0.2990, 0.3125)$

Have a look what the booklet for
Yxy(90.5766, 0.2990, 0.3125)
contains.

Yxy(90.0985, 0.3024, 0.3181)	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(90.0985, 0.3024, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	EEF4FF
RGB	238, 244, 255
RGB Percent	93%, 96%, 100%
CMY	0.0668, 0.0431, 0.0000
CMYK	0.07, 0.04, 0.00, 0.00
HSL	219°, 100%, 97%
HSV	219°, 7%, 100%
XYZ	85.6516, 90.0985, 107.4894
YIQ	243.4600, -7.1070, 2.1490

Conversions

Conversions Part 2

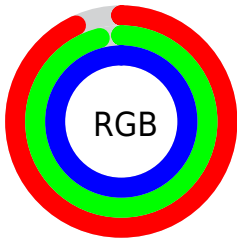
Format	Color
R_{YB}	238, 242, 255
Decimal	15660287
CIE _{Lab}	96.04, 0.03, -5.97
CIE _{LCh}	96, 5.975, 270.283
Yxy	90.0985, 0.3024, 0.3181
Android (android.graphics.Color)	4293850367 (0xFFEEF4FF)
YUV	243.4600, 5.6892, -4.7884
Hunter-Lab	94.9202, -5.0402, -0.6969

Details

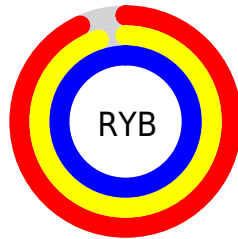
The Yxy color **90.0985, 0.3024, 0.3181** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95.1493, 0.3232, 0.3397**, and the grayscale version is **89.9691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9887, 0.3004, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **76.5399, 0.2861, 0.3001**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

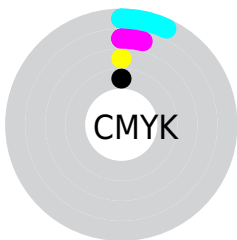
Distribution



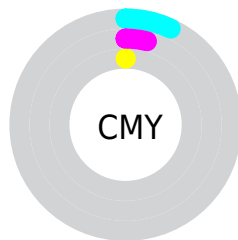
- Red (93%)
- Green (96%)
- Blue (100%)



- Red (93%)
- Yellow (95%)
- Blue (100%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0985, 0.3024, 0.3181 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 90.0985, 0.3024, 0.3181 by changing the saturation by 10% instead.


 90.0985, 0.3024,
0.3181

 90.0985, 0.3024,
0.3181

528.3512, 0.3070,
0.3230

 68.0623, 0.3014,
0.3170

147.4752, 0.3040,
0.3197

 49.9485, 0.3002,
0.3157


183.5845, 0.3046,
0.3204

 35.3724, 0.2986,
0.3141

225.1537, 0.3051,
0.3210

 23.9499, 0.2967,
0.3121

272.5672, 0.3056,
0.3215

 15.2965, 0.2941,
0.3094

326.2092, 0.3060,
0.3219

 9.0277, 0.2906,
0.3056

386.4643, 0.3064,

 4.7593, 0.2854,

0.3223

0.3001

453.7169, 0.3067,
0.3226

■ 2.1067, 0.2771,
0.2913

■ 0.6684, 0.2584,
0.2715

■ 90.0985, 0.3024,
0.3181

■ 90.0985, 0.3024,
0.3181

■ 76.5399, 0.2861,
0.3001

100.0000, 0.3127,
0.3290

■ 64.4364, 0.2689,
0.2801

■ 53.7395, 0.2511,
0.2580

■ 44.3941, 0.2332,
0.2344

■ 36.3408, 0.2158,
0.2096

■ 29.5157, 0.1997,
0.1843

■ 23.8479, 0.1857,
0.1597

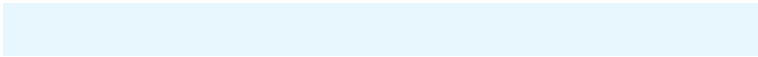
■ 19.2577, 0.1744,
0.1367

■ 15.6507, 0.1662,
0.1164

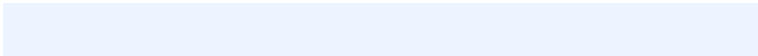
Harmonies

Analogous

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



90.0985, 0.2998, 0.3213



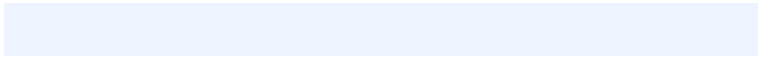
90.0985, 0.3024, 0.3181



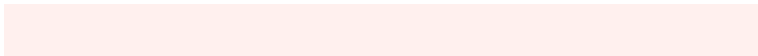
90.0985, 0.3077, 0.3178

Triad

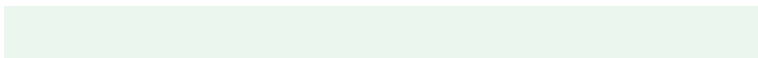
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.0985, 0.3024, 0.3181



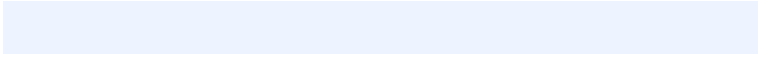
90.0985, 0.3249, 0.3311



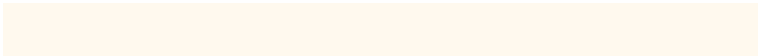
90.0985, 0.3109, 0.3379

Complementary

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



90.0985, 0.3024, 0.3181



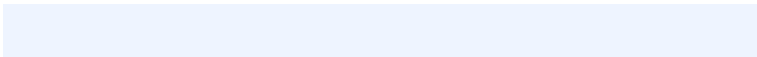
95.1493, 0.3232, 0.3397

Split Complementary

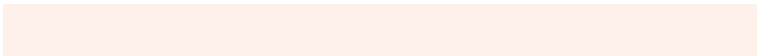
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.0985, 0.3176, 0.3405



90.0985, 0.3024, 0.3181



90.0985, 0.3258, 0.3365

Square

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



90.0985, 0.3024, 0.3181



90.0985, 0.3208, 0.3253



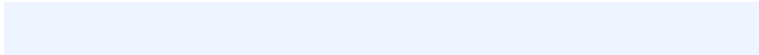
90.0985, 0.3231, 0.3400



90.0985, 0.3047, 0.3328

Rectangle

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



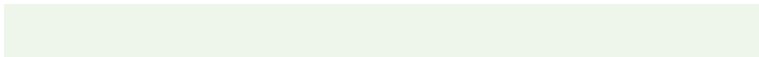
90.0985, 0.3024, 0.3181



90.0985, 0.3122, 0.3192



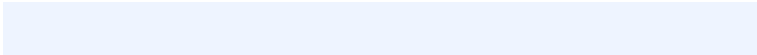
90.0985, 0.3231, 0.3400



90.0985, 0.3132, 0.3391

Sweetspot

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



90.1018, 0.3024, 0.3181



96.9656, 0.3097, 0.3258



96.5149, 0.3058, 0.3351



20.7865, 0.3098, 0.3260



0.0000, 0.0000, 0.0000



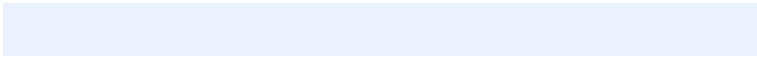
21.4041, 0.3127, 0.3290

Same Dimension

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



90.1018, 0.3024, 0.3181



88.2280, 0.3003, 0.3159



86.9138, 0.3039, 0.3121



18.4337, 0.2979, 0.3132



7.9009, 0.1648, 0.1133



0.9663, 0.1710, 0.1357

Inverse Universe

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



88.9201, 0.3203, 0.3231



86.8495, 0.3219, 0.3220



98.5226, 0.3212, 0.3455



18.0937, 0.3238, 0.3206



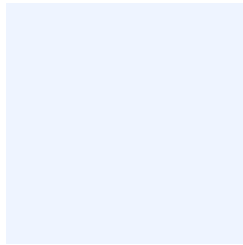
11.5256, 0.5563, 0.2838



1.1421, 0.5248, 0.2665

Previews

White Background



This preview shows how the Yxy color 90.0985, 0.3024, 0.3181 looks on a white background.

Color Contrast Check

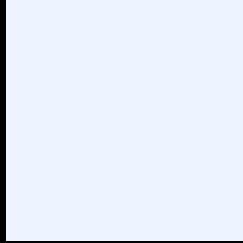
Large Text (above 18pt) WCAG AA × Fail

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 90.0985, 0.3024, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

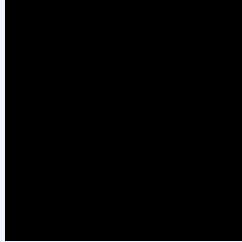
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

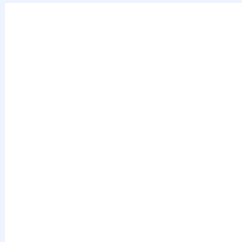
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.0985, 0.3024, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 90.0985, 0.3024, 0.3181.



This preview shows how white text looks on a background with the Yxy color 90.0985, 0.3024, 0.3181.

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

90.0985, 0.3024, 0.3181

Protanopia

90.0725, 0.3075, 0.3172

Deuteranopia

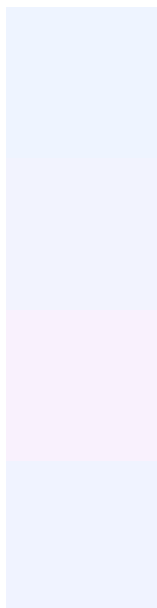
90.0213, 0.3153, 0.3165



Tritanopia

90.0220, 0.3043, 0.3172

Trichromacy



Original Color

90.0985, 0.3024, 0.3181

Protanomaly

90.1342, 0.3055, 0.3182

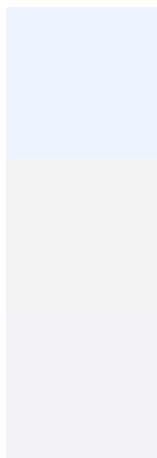
Deuteranomaly

90.1422, 0.3107, 0.3173

Tritanomaly

89.8464, 0.3037, 0.3171

Monochromacy



Original Color

90.0985, 0.3024, 0.3181

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.5174, 0.3090, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0985, 0.3024, 0.3181 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(238, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 244, 255)  
}
```

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(238, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.0985, 0.3024, 0.3181 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(238, 244, 255) }
```

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

```
.border{ border-color:rgb(238, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0985, 0.3024, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 244, 255) }
```

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

```
.background{ background-color: rgb(238,  
244, 255) }
```

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](#).

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