

Converting Colors

$Yxy(90.7449, 0.2994, 0.3205)$

Have a look what the booklet for
Yxy(90.7449, 0.2994, 0.3205)
contains.

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Color

Yxy(90.4552, 0.2993, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	E9F6FF
RGB	233, 246, 255
RGB Percent	91%, 96%, 100%
CMY	0.0864, 0.0352, 0.0000
CMYK	0.09, 0.04, 0.00, 0.00
HSL	204°, 100%, 96%
HSV	204°, 9%, 100%
XYZ	84.6039, 90.4552, 107.6134
YIQ	243.1390, -10.6370, 0.0430

Conversions

Conversions Part 2

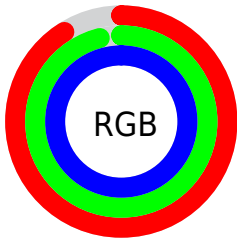
Format	Color
R _Y B	233, 241, 255
Decimal	15333119
CIE Lab	96.19, -2.58, -5.80
CIE LCh	96, 6.347, 245.972
Yxy	90.4552, 0.2993, 0.3200
Android (android.graphics.Color)	4293523199 (0xFFE9F6FF)
YUV	243.1390, 5.8475, -8.8919
Hunter-Lab	95.1079, -7.6531, -0.5103

Details

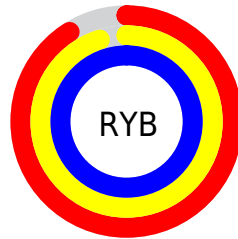
The Yxy color 90.4552, 0.2993, 0.3200 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.6224, 0.3269, 0.3378, and the grayscale version is 89.7019, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.2512, 0.2965, 0.3187 is the 20% darker color. If you saturate the color by 10%, you get 80.3194, 0.2835, 0.3085, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

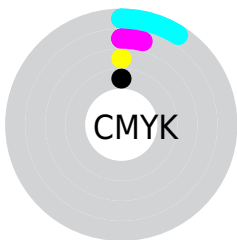
Distribution



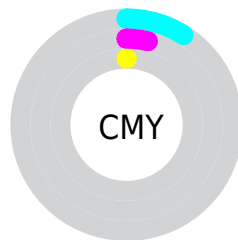
- Red (91%)
- Green (96%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.4552, 0.2993, 0.3200 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 90.4552, 0.2993, 0.3200 by changing the saturation by 10% instead.


 90.4552, 0.2993,
0.3200

 90.4552, 0.2993,
0.3200


529.5105, 0.3053,
0.3240

 68.3582, 0.2980,
0.3191


147.9705, 0.3013,
0.3214

 50.1892, 0.2964,
0.3180


184.1577, 0.3021,
0.3219

 35.5638, 0.2944,
0.3167


225.8104, 0.3028,
0.3224

 24.0975, 0.2919,
0.3149

273.3130, 0.3034,
0.3228

 15.4060, 0.2887,
0.3127

327.0499, 0.3040,
0.3232

 9.1048, 0.2841,
0.3095

387.4055, 0.3044,

 4.8096, 0.2775,

0.3235

0.3048

454.7643, 0.3049,
0.3238

■ 2.1360, 0.2669,
0.2972

■ 0.6847, 0.2413,
0.2811

■ 90.4552, 0.2993,
0.3200

■ 90.4552, 0.2993,
0.3200

■ 80.3194, 0.2835,
0.3085

100.0000, 0.3127,
0.3290

■ 71.1228, 0.2676,
0.2959

■ 62.8343, 0.2519,
0.2821

■ 55.4172, 0.2369,
0.2674

■ 48.8317, 0.2230,
0.2520

■ 43.0340, 0.2107,
0.2360

■ 37.9747, 0.2002,
0.2199

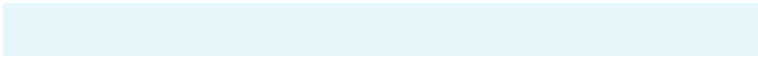
■ 33.5966, 0.1920,
0.2041

■ 29.8205, 0.1859,
0.1887

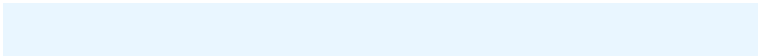
Harmonies

Analogous

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



90.4552, 0.2995, 0.3254



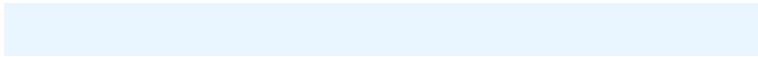
90.4552, 0.2993, 0.3200



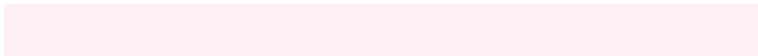
90.4552, 0.3027, 0.3171

Triad

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



90.4552, 0.2993, 0.3200



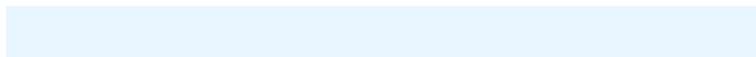
90.4552, 0.3223, 0.3262



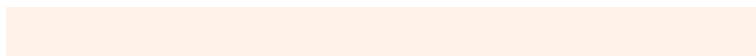
90.4552, 0.3166, 0.3409

Complementary

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



90.4552, 0.2993, 0.3200



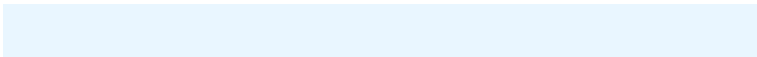
90.6224, 0.3269, 0.3378

Split Complementary

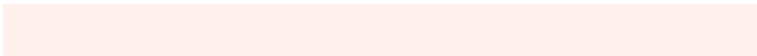
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4552, 0.3228, 0.3410



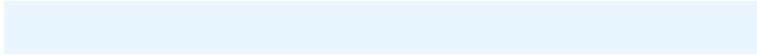
90.4552, 0.2993, 0.3200



90.4552, 0.3261, 0.3324

Square

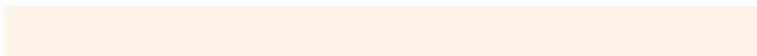
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



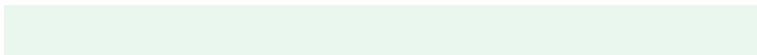
90.4552, 0.2993, 0.3200



90.4552, 0.3159, 0.3207



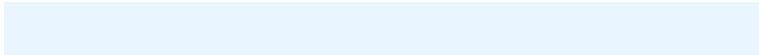
90.4552, 0.3263, 0.3379



90.4552, 0.3094, 0.3376

Rectangle

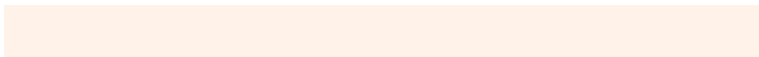
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.4552, 0.2993, 0.3200



90.4552, 0.3065, 0.3170



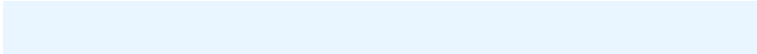
90.4552, 0.3263, 0.3379



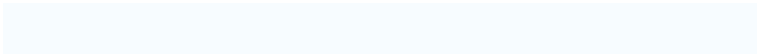
90.4552, 0.3189, 0.3414

Sweetspot

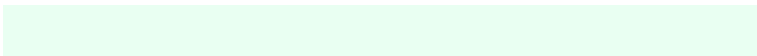
The Sweet Spot groups the original color and five complimentary colors.



90.4585, 0.2993, 0.3200



96.6025, 0.3081, 0.3260



95.2370, 0.3067, 0.3422



20.4858, 0.3069, 0.3252



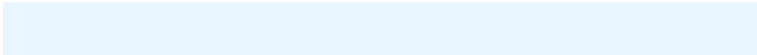
0.0000, 0.0000, 0.0000



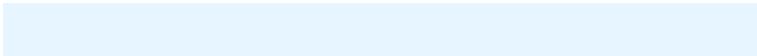
21.4041, 0.3127, 0.3290

Same Dimension

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



90.4585, 0.2993, 0.3200



89.0208, 0.2972, 0.3185



84.0566, 0.2993, 0.3090



19.1656, 0.2979, 0.3191



15.6315, 0.1859, 0.1892



1.7369, 0.1908, 0.2067

Inverse Universe

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



86.1773, 0.3194, 0.3163



84.1436, 0.3205, 0.3143



97.2643, 0.3258, 0.3482



18.1676, 0.3201, 0.3150



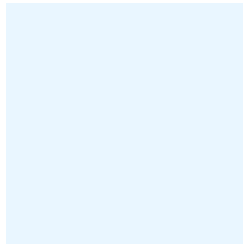
12.3060, 0.4577, 0.2295



1.2199, 0.4378, 0.2185

Previews

White Background



This preview shows how the Yxy color 90.4552, 0.2993, 0.3200 looks on a white background.

Color Contrast Check

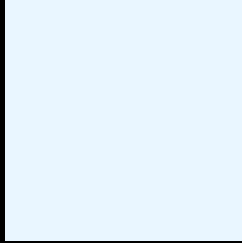
Large Text (above 18pt) WCAG AA × Fail

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 90.4552, 0.2993, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

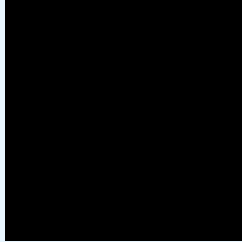
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

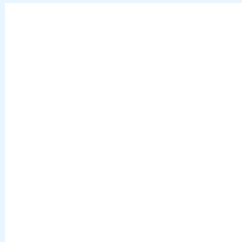
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4552, 0.2993, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 90.4552, 0.2993, 0.3200.



This preview shows how white text looks on a background with the Yxy color 90.4552, 0.2993, 0.3200.

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

90.4552, 0.2993, 0.3200

Protanopia

90.0086, 0.3081, 0.3182

Deuteranopia

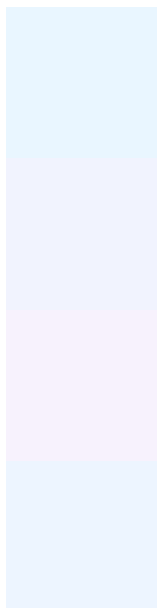
90.0213, 0.3153, 0.3165



Tritanopia

90.2721, 0.3031, 0.3181

Trichromacy



Original Color

90.4552, 0.2993, 0.3200

Protanomaly

89.9577, 0.3049, 0.3181

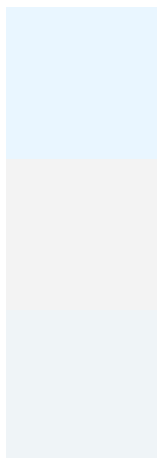
Deuteranomaly

90.3703, 0.3093, 0.3183

Tritanomaly

90.5293, 0.3018, 0.3191

Monochromacy



Original Color

90.4552, 0.2993, 0.3200

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.7675, 0.3077, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4552, 0.2993, 0.3200 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(233, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 246, 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(233, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.4552, 0.2993, 0.3200 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(233, 246, 255) }
```

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

```
.border{ border-color:rgb(233, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 246,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4552, 0.2993, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 246, 255) }
```

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

```
.background{ background-color: rgb(233,  
246, 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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