

Converting Colors

$Yxy(44.9867, 0.2180, 0.2407)$

Have a look what the booklet for
Yxy(44.9867, 0.2180, 0.2407)
contains.

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Color

Yxy(44.9905, 0.2181, 0.2407)

Conversions

Conversions Part 1

Format	Color
Hex	63BAFF
RGB	99, 186, 255
RGB Percent	39%, 73%, 100%
CMY	0.6113, 0.2706, 0.0000
CMYK	0.61, 0.27, 0.00, 0.00
HSL	207°, 100%, 69%
HSV	207°, 61%, 100%
XYZ	40.7662, 44.9905, 101.1585
YIQ	167.8530, -74.0010, 3.0150

Conversions

Conversions Part 2

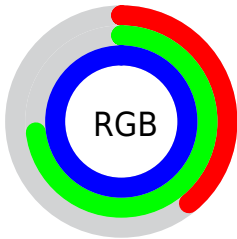
Format	Color
R_{YB}	99, 155, 255
Decimal	6535935
CIE Lab	72.89, -6.06, -41.90
CIE LCh	73, 42.338, 261.776
Yxy	44.9905, 0.2181, 0.2407
Android (android.graphics.Color)	4284726015 (0xFF63BAFF)
YUV	167.8530, 42.9635, -60.3841
Hunter-Lab	67.0750, -8.8941, -42.4652

Details

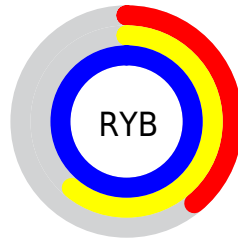
The Yxy color **44.9905, 0.2181, 0.2407** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.2199, 0.4557, 0.3978**, and the grayscale version is **38.9088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3013, 0.2589, 0.3143**, and **20.9104, 0.1946, 0.2176** is the 20% darker color. If you saturate the color by 10%, you get **39.2019, 0.2057, 0.2233**, and if you desaturate by 10%, it is **51.6091, 0.2322, 0.2578**.

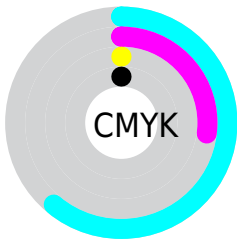
Distribution



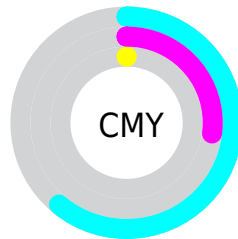
- Red (39%)
- Green (73%)
- Blue (100%)



- Red (39%)
- Yellow (61%)
- Blue (100%)



- Cyan (61%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)




- Cyan (61%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9905, 0.2181, 0.2407 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 44.9905, 0.2181, 0.2407 by changing the saturation by 10% instead.


 44.9905, 0.2181,
0.2407

 44.9905, 0.2181,
0.2407


366.7351, 0.2634,
0.2838


 31.4499, 0.2076,
0.2305


 82.7062, 0.2340,
0.2560

 20.9417, 0.1947,
0.2179


 107.6500, 0.2401,
0.2618

 13.0814, 0.1785,
0.2019


 137.1638, 0.2454,
0.2668

 7.4846, 0.1576,
0.1810

171.6319, 0.2500,
0.2711

 3.7670, 0.1305,
0.1533

211.4387, 0.2540,
0.2749

 1.5441, 0.0950,
0.1161

256.9685, 0.2575,

 0.3195, 0.0256,

0.2782

0.0524

308.6059, 0.2606,
0.2812

0.0000, 0.0000,
0.0000

44.9905, 0.2181,
0.2407

44.9905, 0.2181,
0.2407

39.2019, 0.2057,
0.2233

51.6091, 0.2322,
0.2578

34.1894, 0.1953,
0.2058

59.1036, 0.2474,
0.2741

29.8910, 0.1872,
0.1888

67.5168, 0.2632,
0.2893

26.5947, 0.1818,
0.1743

76.8881, 0.2794,
0.3034

87.2539, 0.2954,
0.3163

98.6487, 0.3110,
0.3278

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



44.9905, 0.2060, 0.2680



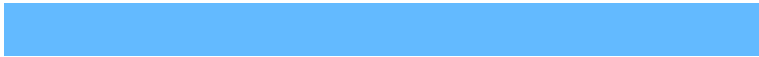
44.9905, 0.2181, 0.2407



44.9905, 0.2533, 0.2363

Triad

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



44.9905, 0.2181, 0.2407



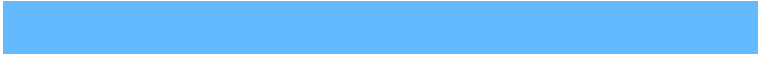
44.9905, 0.4162, 0.3267



44.9905, 0.3088, 0.4266

Complementary

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



44.9905, 0.2181, 0.2407



50.2199, 0.4557, 0.3978

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.



44.9905, 0.3668, 0.4375



44.9905, 0.2181, 0.2407



44.9905, 0.4322, 0.3729

Square

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



44.9905, 0.2181, 0.2407



44.9905, 0.3686, 0.2840



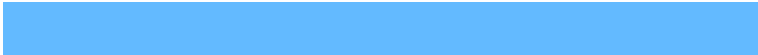
44.9905, 0.4127, 0.4143



44.9905, 0.2547, 0.3793

Rectangle

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



44.9905, 0.2181, 0.2407



44.9905, 0.2879, 0.2447



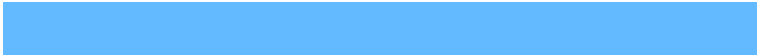
44.9905, 0.4127, 0.4143



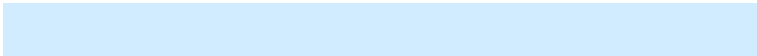
44.9905, 0.3284, 0.4347

Sweetspot

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



44.9908, 0.2181, 0.2407



80.0220, 0.2844, 0.3076



76.9574, 0.2758, 0.4434



16.5033, 0.2797, 0.3037



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.



44.9908, 0.2181, 0.2407



38.2062, 0.2036, 0.2200



20.9272, 0.1957, 0.1426



19.0567, 0.2979, 0.3182



14.1990, 0.1825, 0.1769



1.6005, 0.1877, 0.1957

Inverse Universe

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



33.7516, 0.3943, 0.2439



28.4987, 0.4186, 0.2346



87.2312, 0.4046, 0.4642



18.1566, 0.3206, 0.3158



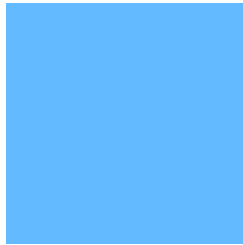
12.1614, 0.4722, 0.2375



1.2061, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 44.9905, 0.2181, 0.2407 looks on a white background.

Color Contrast Check

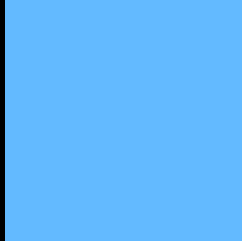
Large Text (above 18pt) WCAG AA × Fail

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 44.9905, 0.2181, 0.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

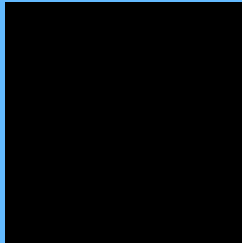
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

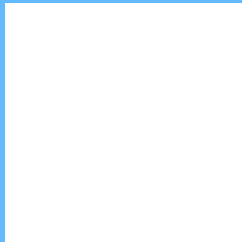
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.9905, 0.2181, 0.2407

Background



This preview shows how black text looks on a background with the Yxy color 44.9905, 0.2181, 0.2407.



This preview shows how white text looks on a background with the Yxy color 44.9905, 0.2181, 0.2407.

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

44.9905, 0.2181, 0.2407

Protanopia

44.4433, 0.2485, 0.2410

Deuteranopia

44.4737, 0.2389, 0.2330



Tritanopia

44.8564, 0.2321, 0.3056

Trichromacy



Original Color

44.9905, 0.2181, 0.2407

Protanomaly

44.2932, 0.2352, 0.2402

Deuteranomaly

44.6083, 0.2304, 0.2359

Tritanomaly

44.7310, 0.2268, 0.2803

Monochromacy



Original Color

44.9905, 0.2181, 0.2407

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.6697, 0.2682, 0.2941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9905, 0.2181, 0.2407 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(99, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 186, 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(99, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.9905, 0.2181, 0.2407 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(99, 186, 255) }
```

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

```
.border{ border-color:rgb(99, 186, 255) }
```

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

Here you see how a box with a 4 pixel rgb(99, 186, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9905, 0.2181, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 186, 255) }
```

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

```
.background{ background-color: rgb(99, 186,  
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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