

Converting Colors

$Y_{xy}(47.9949, 0.2204, 0.2500)$

Have a look what the booklet for
Yxy(47.9949, 0.2204, 0.2500)
contains.

Yxy(48.0693, 0.2206, 0.2502)	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(48.0693, 0.2206, 0.2502)

Conversions

Conversions Part 1

Format	Color
Hex	64C1FF
RGB	100, 193, 255
RGB Percent	39%, 76%, 100%
CMY	0.6076, 0.2432, 0.0000
CMYK	0.61, 0.24, 0.00, 0.00
HSL	204°, 100%, 70%
HSV	204°, 61%, 100%
XYZ	42.3824, 48.0693, 101.6718
YIQ	172.2610, -75.3300, -0.4340

Conversions

Conversions Part 2

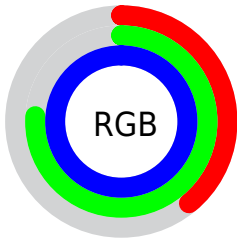
Format	Color
RYB	100, 158, 255
Decimal	6603263
CIELab	74.87, -9.68, -38.81
CIELCh	75, 40.003, 255.990
Yxy	48.0693, 0.2206, 0.2502
Android (android.graphics.Color)	4284793343 (0xFF64C1FF)
YUV	172.2610, 40.7903, -63.3729
Hunter-Lab	69.3320, -12.2146, -38.4132

Details

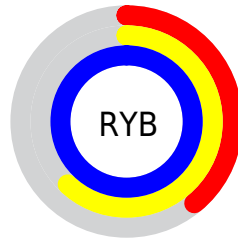
The Yxy color **48.0693, 0.2206, 0.2502** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.0441, 0.4596, 0.3910**, and the grayscale version is **41.2185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6527, 0.2605, 0.3222**, and **22.9115, 0.1983, 0.2304** is the 20% darker color. If you saturate the color by 10%, you get **42.4777, 0.2088, 0.2346**, and if you desaturate by 10%, it is **54.4274, 0.2341, 0.2655**.

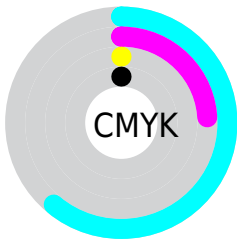
Distribution



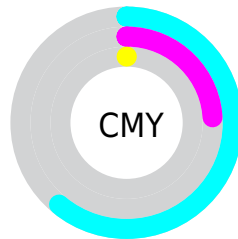
- Red (39%)
- Green (76%)
- Blue (100%)



- Red (39%)
- Yellow (62%)
- Blue (100%)



- Cyan (61%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0693, 0.2206, 0.2502 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 48.0693, 0.2206, 0.2502 by changing the saturation by 10% instead.


 48.0693, 0.2206,
0.2502


 48.0693, 0.2206,
0.2502


379.0667, 0.2643,
0.2887


 33.8818, 0.2106,
0.2411


 87.3076, 0.2359,
0.2639

 22.8028, 0.1982,
0.2297


 113.1271, 0.2418,
0.2691

 14.4480, 0.1827,
0.2152


 143.5928, 0.2469,
0.2736

 8.4329, 0.1628,
0.1961

179.0890, 0.2513,
0.2774

 4.3732, 0.1368,
0.1706

220.0000, 0.2551,
0.2808

 1.8844, 0.1025,
0.1353

266.7104, 0.2586,

 0.5390, 0.0424,

0.2838

0.0828

319.6045, 0.2616,
0.2864

0.0000, 0.0000,
0.0000

48.0693, 0.2206,
0.2502

48.0693, 0.2206,
0.2502

42.4777, 0.2088,
0.2346

54.4274, 0.2341,
0.2655

37.6020, 0.1989,
0.2188

61.5961, 0.2488,
0.2801

33.3831, 0.1913,
0.2033

69.6158, 0.2643,
0.2937

29.9867, 0.1860,
0.1895

78.5233, 0.2801,
0.3064

88.3533, 0.2960,
0.3179

99.1379, 0.3115,
0.3283

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.



48.0693, 0.2136, 0.2803



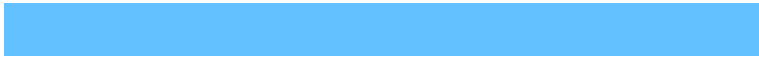
48.0693, 0.2206, 0.2502



48.0693, 0.2497, 0.2418

Triad

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



48.0693, 0.2206, 0.2502



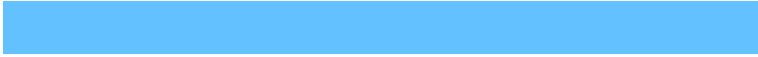
48.0693, 0.4017, 0.3191



48.0693, 0.3201, 0.4234

Complementary

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



48.0693, 0.2206, 0.2502



48.0441, 0.4596, 0.3910

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.



48.0693, 0.3728, 0.4273



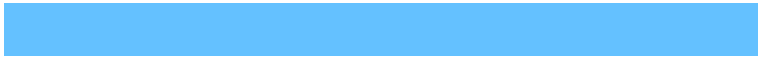
48.0693, 0.2206, 0.2502



48.0693, 0.4230, 0.3623

Square

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



48.0693, 0.2206, 0.2502



48.0693, 0.3539, 0.2805



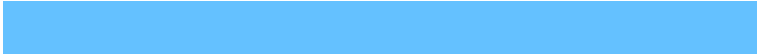
48.0693, 0.4114, 0.4022



48.0693, 0.2679, 0.3855

Rectangle

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



48.0693, 0.2206, 0.2502



48.0693, 0.2799, 0.2472



48.0693, 0.4114, 0.4022



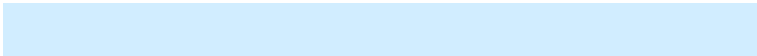
48.0693, 0.3383, 0.4286

Sweetspot

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



48.0694, 0.2206, 0.2502



81.1450, 0.2845, 0.3097



76.8424, 0.2782, 0.4496



16.7776, 0.2799, 0.3062



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.



48.0694, 0.2206, 0.2502



41.3264, 0.2064, 0.2310



22.3200, 0.1978, 0.1496



19.1902, 0.2979, 0.3193



15.9689, 0.1867, 0.1919



1.7688, 0.1914, 0.2091

Inverse Universe

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



34.2351, 0.3855, 0.2381



28.8137, 0.4075, 0.2273



84.2107, 0.4071, 0.4598



18.1701, 0.3200, 0.3148



12.3400, 0.4545, 0.2277



1.2231, 0.4351, 0.2170

Previews

White Background



This preview shows how the Yxy color 48.0693, 0.2206, 0.2502 looks on a white background.

Color Contrast Check

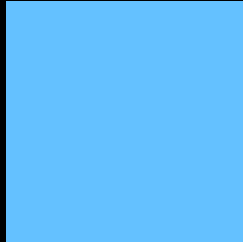
Large Text (above 18pt) WCAG AA × Fail

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 48.0693, 0.2206, 0.2502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

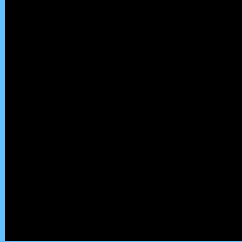
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

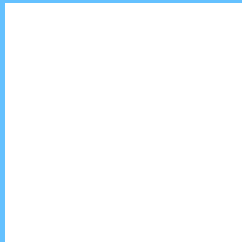
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0693, 0.2206, 0.2502

Background



This preview shows how black text looks on a background with the Yxy color 48.0693, 0.2206, 0.2502.



This preview shows how white text looks on a background with the Yxy color 48.0693, 0.2206, 0.2502.

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

48.0693, 0.2206, 0.2502

Protanopia

47.7009, 0.2559, 0.2508

Deuteranopia

47.5368, 0.2465, 0.2408



Tritanopia

48.0603, 0.2328, 0.3063

Trichromacy



Original Color

48.0693, 0.2206, 0.2502

Protanomaly

47.2002, 0.2404, 0.2498

Deuteranomaly

47.2363, 0.2353, 0.2432

Tritanomaly

47.7695, 0.2281, 0.2840

Monochromacy



Original Color

48.0693, 0.2206, 0.2502

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.0178, 0.2697, 0.2988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0693, 0.2206, 0.2502 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(100, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 193, 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(100, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 193, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.0693, 0.2206, 0.2502 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(100, 193, 255) }
```

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

```
.border{ border-color:rgb(100, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 193,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0693, 0.2206, 0.2502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 193, 255) }
```

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

```
.background{ background-color: rgb(100,  
193, 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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