

Converting Colors

$Y_{xy}(45.2974, 0.2284, 0.2694)$

Have a look what the booklet for
Yxy(45.2974, 0.2284, 0.2694)
contains.

Yxy(45.4767, 0.2285, 0.2698)	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(45.4767, 0.2285, 0.2698)

Conversions

Conversions Part 1

Format	Color
Hex	64BEEA
RGB	100, 190, 234
RGB Percent	39%, 75%, 92%
CMY	0.6079, 0.2549, 0.0825
CMYK	0.57, 0.19, 0.00, 0.08
HSL	200°, 76%, 65%
HSV	200°, 57%, 92%
XYZ	38.5153, 45.4767, 84.5651
YIQ	168.1060, -67.7640, -5.3960

Conversions

Conversions Part 2

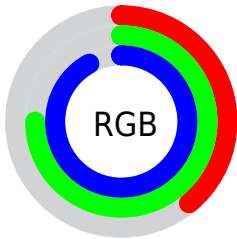
Format	Color
RYB	100, 154, 234
Decimal	6602474
CIELab	73.20, -14.50, -30.04
CIELCh	73, 33.357, 244.228
Yxy	45.4767, 0.2285, 0.2698
Android (android.graphics.Color)	4284792554 (0xFF64BEEA)
YUV	168.1060, 32.4857, -59.7290
Hunter-Lab	67.4364, -16.0661, -27.1440

Details

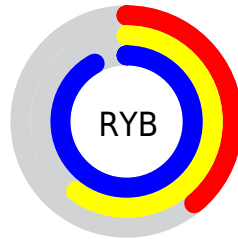
The Yxy color **45.4767, 0.2285, 0.2698** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.3389, 0.4548, 0.3776**, and the grayscale version is **39.0744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6051, 0.2591, 0.3188**, and **21.3387, 0.2073, 0.2538** is the 20% darker color. If you saturate the color by 10%, you get **41.0918, 0.2171, 0.2573**, and if you desaturate by 10%, it is **50.4231, 0.2415, 0.2819**.

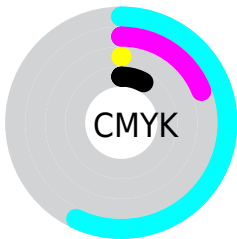
Distribution



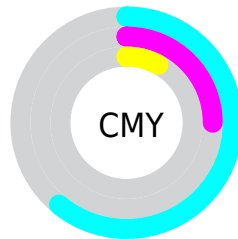
- Red (39%)
- Green (75%)
- Blue (92%)



- Red (39%)
- Yellow (60%)
- Blue (92%)



- Cyan (57%)
- Magenta (19%)
- Yellow (0%)
- Black (8%)



- Cyan (61%)
- Magenta (25%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4767, 0.2285, 0.2698 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 45.4767, 0.2285, 0.2698 by changing the saturation by 10% instead.

■ 45.4767, 0.2285,
0.2698

■ 45.4767, 0.2285,
0.2698

■ 368.7008, 0.2691,
0.2997

■ 31.8331, 0.2189,
0.2624

■ 83.4353, 0.2429,
0.2807

■ 21.2340, 0.2070,
0.2529

■ 108.5190, 0.2484,
0.2848

■ 13.2952, 0.1918,
0.2405

■ 138.1850, 0.2531,
0.2882

■ 7.6321, 0.1719,
0.2236

■ 172.8174, 0.2572,
0.2912

■ 3.8605, 0.1450,
0.1997

■ 212.8009, 0.2607,
0.2938

■ 1.5958, 0.1081,
0.1642

■ 258.5196, 0.2639,

■ 0.3548, 0.0000,

0.2960

0.0938

310.3581, 0.2667,
0.2980

0.0000, 0.0000,
0.0000

45.4767, 0.2285,
0.2698

45.4767, 0.2285,
0.2698

41.0918, 0.2171,
0.2573

50.4231, 0.2415,
0.2819

37.2269, 0.2076,
0.2447

55.9583, 0.2556,
0.2933

33.8413, 0.2002,
0.2320

62.1135, 0.2706,
0.3041

30.8802, 0.1947,
0.2196

68.9157, 0.2860,
0.3140

30.1204, 0.1934,
0.2163

76.3901, 0.3015,
0.3230

84.5605, 0.3169,
0.3311

91.7477, 0.3261,
0.3386

96.4580, 0.3253,
0.3459

98.7187, 0.3250,
0.3493

Harmonies

Analogous

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



45.4767, 0.2305, 0.3032



45.4767, 0.2285, 0.2698



45.4767, 0.2466, 0.2546

Triad

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



45.4767, 0.2285, 0.2698



45.4767, 0.3744, 0.3071



45.4767, 0.3380, 0.4132

Complementary

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



45.4767, 0.2285, 0.2698



38.3389, 0.4548, 0.3776

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.



45.4767, 0.3795, 0.4071



45.4767, 0.2285, 0.2698



45.4767, 0.4025, 0.3440

Square

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



45.4767, 0.2285, 0.2698



45.4767, 0.3292, 0.2764



45.4767, 0.4039, 0.3803



45.4767, 0.2916, 0.3916

Rectangle

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



45.4767, 0.2285, 0.2698



45.4767, 0.2688, 0.2547



45.4767, 0.4039, 0.3803



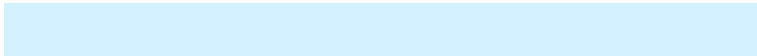
45.4767, 0.3531, 0.4141

Sweetspot

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



45.4784, 0.2285, 0.2698



83.9433, 0.2863, 0.3141



63.5021, 0.2847, 0.4568



17.5955, 0.2831, 0.3122



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.



45.4784, 0.2285, 0.2698



48.9389, 0.2150, 0.2547



23.2023, 0.2083, 0.1765



16.2405, 0.2981, 0.3211



17.1703, 0.1940, 0.2182



1.5226, 0.1987, 0.2354

Inverse Universe

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



30.3180, 0.3671, 0.2330



30.9027, 0.3836, 0.2189



64.2075, 0.4087, 0.4438



15.2248, 0.3188, 0.3133



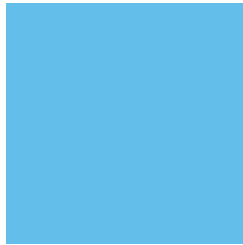
11.2262, 0.4252, 0.2116



0.8991, 0.4071, 0.2016

Previews

White Background



This preview shows how the Yxy color 45.4767, 0.2285, 0.2698 looks on a white background.

Color Contrast Check

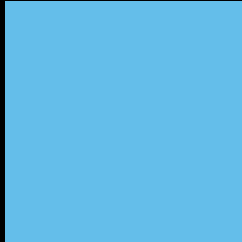
Large Text (above 18pt) WCAG AA × Fail

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 45.4767, 0.2285, 0.2698 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

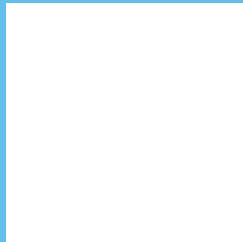
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4767, 0.2285, 0.2698

Background



This preview shows how black text looks on a background with the Yxy color 45.4767, 0.2285, 0.2698.



This preview shows how white text looks on a background with the Yxy color 45.4767, 0.2285, 0.2698.

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

45.4767, 0.2285, 0.2698

Protanopia

45.0416, 0.2702, 0.2697

Deuteranopia

45.0576, 0.2597, 0.2538



Tritanopia

45.4104, 0.2367, 0.3059

Trichromacy



Original Color

45.4767, 0.2285, 0.2698

Protanomaly

44.8970, 0.2521, 0.2692

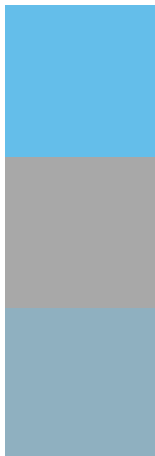
Deuteranomaly

44.7666, 0.2463, 0.2585

Tritanomaly

45.6341, 0.2338, 0.2925

Monochromacy



Original Color

45.4767, 0.2285, 0.2698

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.6961, 0.2737, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4767, 0.2285, 0.2698 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, 190, 234)` looks like.

```
.text, #text, p{  
    color:rgb(100, 190, 234)  
}
```

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, 190, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 190, 234) }
```

Border

The CSS property to change the border of an element to Yxy 45.4767, 0.2285, 0.2698 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, 190, 234) }
```

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

```
.border{ border-color:rgb(100, 190, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 190, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 190, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 190, 234);  
box-shadow:4px 4px 4px 4px rgb(100, 190,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4767, 0.2285, 0.2698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 190, 234) }
```

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

```
.background{ background-color: rgb(100,  
190, 234) }
```

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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