

Converting Colors

$Y_{xy}(45.1993, 0.2278, 0.2768)$

Have a look what the booklet for
Yxy(45.1993, 0.2278, 0.2768)
contains.

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Color

Yxy(45.1941, 0.2278, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	5CBFE5
RGB	92, 191, 229
RGB Percent	36%, 75%, 90%
CMY	0.6388, 0.2510, 0.1020
CMYK	0.60, 0.17, 0.00, 0.10
HSL	197°, 72%, 63%
HSV	197°, 60%, 90%
XYZ	37.1937, 45.1941, 80.8857
YIQ	165.7310, -71.2020, -9.1700

Conversions

Conversions Part 2

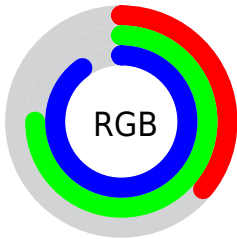
Format	Color
R _Y B	92, 149, 229
Decimal	6078437
CIE Lab	73.02, -17.99, -27.65
CIE LCh	73, 32.987, 236.958
Yxy	45.1941, 0.2278, 0.2768
Android (android.graphics.Color)	4284268517 (0xFF5CBFE5)
YUV	165.7310, 31.1916, -64.6621
Hunter-Lab	67.2266, -18.8897, -24.2780

Details

The Yxy color **45.1941, 0.2278, 0.2768** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **33.4249, 0.4692, 0.3712**, and the grayscale version is **37.8821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5138, 0.2560, 0.3199**, and **20.9085, 0.2059, 0.2610** is the 20% darker color. If you saturate the color by 10%, you get **41.4751, 0.2176, 0.2664**, and if you desaturate by 10%, it is **49.3932, 0.2397, 0.2869**.

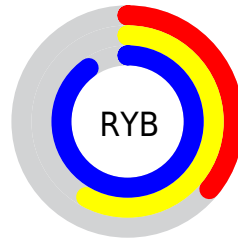
Distribution



Red (36%)

Green (75%)

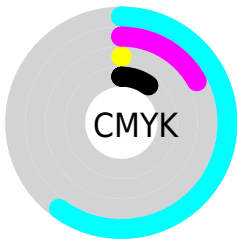
Blue (90%)



Red (36%)

Yellow (58%)

Blue (90%)

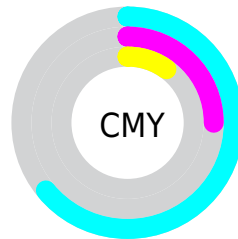


Cyan (60%)

Magenta (17%)

Yellow (0%)

Black (10%)



Cyan (64%)

Magenta (25%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1941, 0.2278, 0.2768 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 45.1941, 0.2278, 0.2768 by changing the saturation by 10% instead.

■ 45.1941, 0.2278,
0.2768

■ 45.1941, 0.2278,
0.2768

■ 367.5591, 0.2688,
0.3036

■ 31.6103, 0.2181,
0.2700

■ 83.0116, 0.2423,
0.2866

■ 21.0640, 0.2060,
0.2614

■ 108.0141, 0.2479,
0.2903

■ 13.1708, 0.1906,
0.2499

■ 137.5917, 0.2527,
0.2934

■ 7.5463, 0.1703,
0.2340

■ 172.1287, 0.2568,
0.2960

■ 3.8060, 0.1429,
0.2112

■ 212.0096, 0.2604,
0.2983

■ 1.5657, 0.1052,
0.1763

■ 257.6187, 0.2635,

■ 0.3343, 0.0000,

0.3003

0.1001

309.3404, 0.2663,
0.3020

0.0000, 0.0000,
0.0000

45.1941, 0.2278,
0.2768

45.1941, 0.2278,
0.2768

41.4751, 0.2176,
0.2664

49.3932, 0.2397,
0.2869

38.1964, 0.2094,
0.2558

54.0981, 0.2530,
0.2967

35.3189, 0.2031,
0.2453

59.3378, 0.2673,
0.3058

32.7744, 0.1986,
0.2350

65.1377, 0.2823,
0.3143

32.7200, 0.1986,
0.2348

71.5212, 0.2976,
0.3221

■ 78.5102, 0.3131,
0.3292

■ 86.1253, 0.3283,
0.3355

■ 90.3305, 0.3294,
0.3417

■ 94.1776, 0.3287,
0.3478

Harmonies

Analogous

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



45.1941, 0.2348, 0.3137



45.1941, 0.2278, 0.2768



45.1941, 0.2411, 0.2572

Triad

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



45.1941, 0.2278, 0.2768



45.1941, 0.3640, 0.2991



45.1941, 0.3488, 0.4134

Complementary

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



45.1941, 0.2278, 0.2768



33.4249, 0.4692, 0.3712

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.



45.1941, 0.3868, 0.4014



45.1941, 0.2278, 0.2768



45.1941, 0.3971, 0.3348

Square

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



45.1941, 0.2278, 0.2768



45.1941, 0.3174, 0.2710



45.1941, 0.4053, 0.3717



45.1941, 0.3027, 0.3986

Rectangle

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



45.1941, 0.2278, 0.2768



45.1941, 0.2604, 0.2543



45.1941, 0.4053, 0.3717



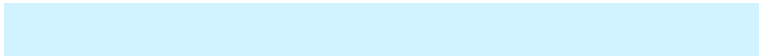
45.1941, 0.3629, 0.4121

Sweetspot

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



45.1958, 0.2278, 0.2768



84.4478, 0.2848, 0.3156



59.8900, 0.2875, 0.4733



17.5875, 0.2804, 0.3133



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.



45.1958, 0.2278, 0.2768



51.7756, 0.2152, 0.2636



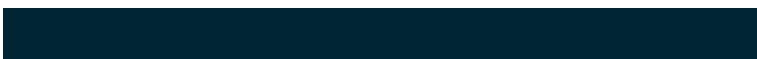
22.3643, 0.2059, 0.1786



15.6244, 0.2981, 0.3223



18.9212, 0.1990, 0.2364



1.5523, 0.2032, 0.2515

Inverse Universe

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



28.0907, 0.3617, 0.2230



30.1787, 0.3761, 0.2086



57.3878, 0.4172, 0.4415



14.5434, 0.3180, 0.3122



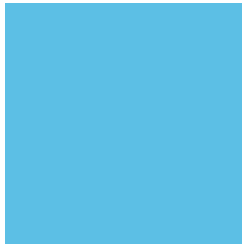
11.1078, 0.4060, 0.2010



0.8364, 0.3907, 0.1926

Previews

White Background



This preview shows how the Yxy color 45.1941, 0.2278, 0.2768 looks on a white background.

Color Contrast Check

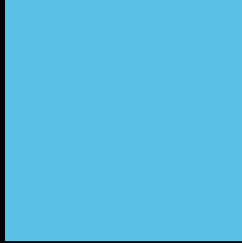
Large Text (above 18pt) WCAG AA × Fail

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 45.1941, 0.2278, 0.2768 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 45.1941, 0.2278, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 45.1941, 0.2278, 0.2768.



This preview shows how white text looks on a background with the Yxy color 45.1941, 0.2278, 0.2768.

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

45.1941, 0.2278, 0.2768

Protanopia

44.4900, 0.2741, 0.2743

Deuteranopia

44.6501, 0.2634, 0.2570



Tritanopia

45.1215, 0.2343, 0.3058

Trichromacy



Original Color

45.1941, 0.2278, 0.2768

Protanomaly

43.9509, 0.2529, 0.2734

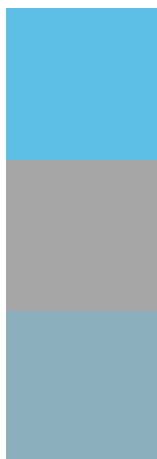
Deuteranomaly

44.3629, 0.2472, 0.2628

Tritanomaly

45.1759, 0.2319, 0.2949

Monochromacy



Original Color

45.1941, 0.2278, 0.2768

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.8230, 0.2727, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1941, 0.2278, 0.2768 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(92, 191, 229)` looks like.

```
.text, #text, p{  
    color:rgb(92, 191, 229)  
}
```

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(92, 191, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 191, 229) }
```

Border

The CSS property to change the border of an element to Yxy 45.1941, 0.2278, 0.2768 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(92, 191, 229) }
```

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

```
.border{ border-color:rgb(92, 191, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 191, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 191, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 191, 229);  
box-shadow:4px 4px 4px 4px rgb(92, 191,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1941, 0.2278, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 191, 229) }
```

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

```
.background{ background-color: rgb(92, 191,  
229) }
```

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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