

Converting Colors

$Y_{xy}(45.8526, 0.2272, 0.2746)$

Have a look what the booklet for
Yxy(45.8526, 0.2272, 0.2746)
contains.

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Color

Yxy(45.8526, 0.2272, 0.2746)

Conversions

Conversions Part 1

Format	Color
Hex	5DC0E8
RGB	93, 192, 232
RGB Percent	36%, 75%, 91%
CMY	0.6348, 0.2471, 0.0902
CMYK	0.60, 0.17, 0.00, 0.09
HSL	197°, 75%, 64%
HSV	197°, 60%, 91%
XYZ	37.9378, 45.8526, 83.1892
YIQ	166.9590, -71.8440, -8.5480

Conversions

Conversions Part 2

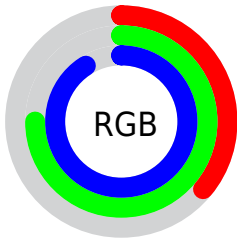
Format	Color
R _Y B	93, 151, 232
Decimal	6144232
CIE Lab	73.45, -17.42, -28.61
CIE LCh	73, 33.498, 238.670
Yxy	45.8526, 0.2272, 0.2746
Android (android.graphics.Color)	4284334312 (0xFF5DC0E8)
YUV	166.9590, 32.0652, -64.8620
Hunter-Lab	67.7145, -18.4940, -25.4393

Details

The Yxy color **45.8526, 0.2272, 0.2746** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **34.7596, 0.4684, 0.3729**, and the grayscale version is **38.5058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2248, 0.2567, 0.3210**, and **21.3245, 0.2053, 0.2583** is the 20% darker color. If you saturate the color by 10%, you get **41.9513, 0.2169, 0.2637**, and if you desaturate by 10%, it is **50.2578, 0.2392, 0.2852**.

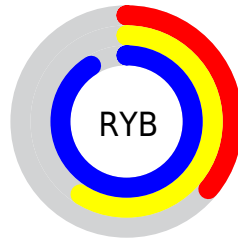
Distribution



Red (36%)

Green (75%)

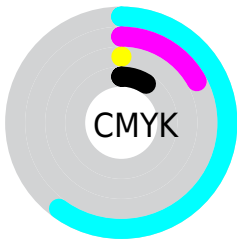
Blue (91%)



Red (36%)

Yellow (59%)

Blue (91%)

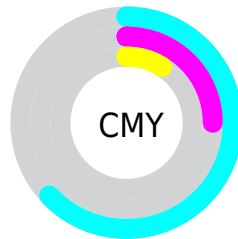


Cyan (60%)

Magenta (17%)

Yellow (0%)

Black (9%)



Cyan (63%)

Magenta (25%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8526, 0.2272, 0.2746 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 45.8526, 0.2272, 0.2746 by changing the saturation by 10% instead.

■ 45.8526, 0.2272,
0.2746

■ 45.8526, 0.2272,
0.2746

■ 370.2157, 0.2684,
0.3024

■ 32.1295, 0.2175,
0.2676

■ 83.9984, 0.2417,
0.2847

■ 21.4604, 0.2054,
0.2587

■ 109.1898, 0.2473,
0.2885

■ 13.4610, 0.1901,
0.2470

■ 138.9729, 0.2521,
0.2917

■ 7.7467, 0.1700,
0.2309

■ 173.7319, 0.2563,
0.2945

■ 3.9333, 0.1429,
0.2079

■ 213.8513, 0.2599,
0.2968

■ 1.6363, 0.1058,
0.1732

■ 259.7155, 0.2630,

■ 0.3819, 0.0000,

0.2989

0.1047

311.7088, 0.2659,
0.3007

0.0000, 0.0000,
0.0000

45.8526, 0.2272,
0.2746

45.8526, 0.2272,
0.2746

41.9513, 0.2169,
0.2637

50.2578, 0.2392,
0.2852

38.5127, 0.2085,
0.2527

55.1936, 0.2526,
0.2953

35.4960, 0.2021,
0.2418

60.6905, 0.2670,
0.3048

32.8304, 0.1975,
0.2310

66.7745, 0.2821,
0.3137


32.7935, 0.1975,
0.2309

73.4702, 0.2975,
0.3218

 80.8002, 0.3129,
0.3291

 88.6861, 0.3278,
0.3357

 92.6673, 0.3271,
0.3422

 96.7947, 0.3265,
0.3486

Harmonies

Analogous

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



45.8526, 0.2330, 0.3110



45.8526, 0.2272, 0.2746



45.8526, 0.2417, 0.2559

Triad

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



45.8526, 0.2272, 0.2746



45.8526, 0.3669, 0.3007



45.8526, 0.3465, 0.4143

Complementary

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



45.8526, 0.2272, 0.2746



34.7596, 0.4684, 0.3729

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.



45.8526, 0.3858, 0.4034



45.8526, 0.2272, 0.2746



45.8526, 0.3993, 0.3370

Square

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



45.8526, 0.2272, 0.2746



45.8526, 0.3202, 0.2718



45.8526, 0.4059, 0.3740



45.8526, 0.3000, 0.3977

Rectangle

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



45.8526, 0.2272, 0.2746



45.8526, 0.2619, 0.2538



45.8526, 0.4059, 0.3740



45.8526, 0.3611, 0.4134

Sweetspot

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



45.8543, 0.2272, 0.2746



84.1614, 0.2848, 0.3151



61.7226, 0.2864, 0.4703



17.5171, 0.2803, 0.3127



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.



45.8543, 0.2272, 0.2746



50.8661, 0.2146, 0.2610



22.3799, 0.2049, 0.1750



15.5980, 0.2981, 0.3221



18.4329, 0.1980, 0.2326



1.5195, 0.2023, 0.2484

Inverse Universe

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



28.8117, 0.3636, 0.2242



30.0869, 0.3785, 0.2101



60.1447, 0.4158, 0.4438



14.5407, 0.3182, 0.3124



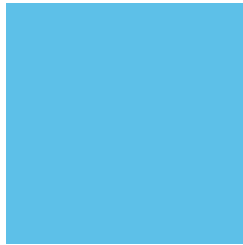
11.0585, 0.4099, 0.2032



0.8331, 0.3938, 0.1943

Previews

White Background



This preview shows how the Yxy color 45.8526, 0.2272, 0.2746 looks on a white background.

Color Contrast Check

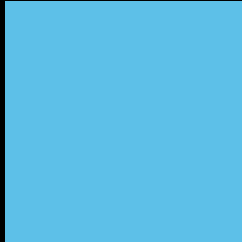
Large Text (above 18pt) WCAG AA × Fail

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 45.8526, 0.2272, 0.2746 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 45.8526, 0.2272, 0.2746

Background



This preview shows how black text looks on a background with the Yxy color 45.8526, 0.2272, 0.2746.



This preview shows how white text looks on a background with the Yxy color 45.8526, 0.2272, 0.2746.

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

45.8526, 0.2272, 0.2746

Protanopia

45.5497, 0.2730, 0.2735

Deuteranopia

45.1558, 0.2624, 0.2562



Tritanopia

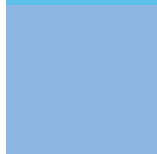
46.0678, 0.2345, 0.3073

Trichromacy



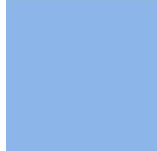
Original Color

45.8526, 0.2272, 0.2746



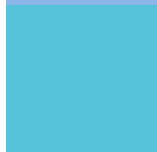
Protanomaly

45.0207, 0.2522, 0.2727



Deuteranomaly

44.9719, 0.2470, 0.2620



Tritanomaly

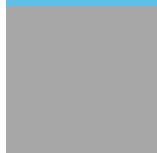
46.1709, 0.2316, 0.2952

Monochromacy



Original Color

45.8526, 0.2272, 0.2746



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

40.3877, 0.2722, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8526, 0.2272, 0.2746 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(93, 192, 232)` looks like.

```
.text, #text, p{  
    color:rgb(93, 192, 232)  
}
```

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(93, 192, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 192, 232) }
```

Border

The CSS property to change the border of an element to Yxy 45.8526, 0.2272, 0.2746 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(93, 192, 232) }
```

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

```
.border{ border-color:rgb(93, 192, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 192, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 192, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 192, 232);  
box-shadow:4px 4px 4px 4px rgb(93, 192,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8526, 0.2272, 0.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 192, 232) }
```

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

```
.background{ background-color: rgb(93, 192,  
232) }
```

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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