

Converting Colors

$Y_{xy}(45.2160, 0.2294, 0.2824)$

Have a look what the booklet for
Yxy(45.2160, 0.2294, 0.2824)
contains.

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Color

Yxy(45.3597, 0.2295, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	5BC0E1
RGB	91, 192, 225
RGB Percent	36%, 75%, 88%
CMY	0.6429, 0.2471, 0.1177
CMYK	0.60, 0.15, 0.00, 0.12
HSL	195°, 69%, 62%
HSV	195°, 60%, 88%
XYZ	36.7587, 45.3597, 78.0501
YIQ	165.5630, -70.7890, -11.1490

Conversions

Conversions Part 2

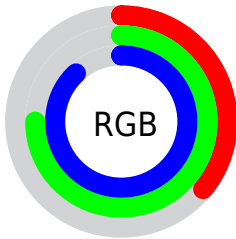
Format	Color
R _Y B	91, 149, 225
Decimal	6013153
CIE Lab	73.13, -19.89, -25.32
CIE LCh	73, 32.198, 231.858
Yxy	45.3597, 0.2295, 0.2832
Android (android.graphics.Color)	4284203233 (0xFF5BC0E1)
YUV	165.5630, 29.3024, -65.3918
Hunter-Lab	67.3496, -20.4385, -21.5652

Details

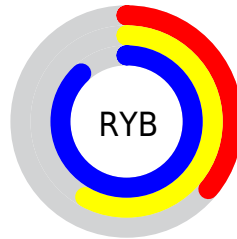
The Yxy color **45.3597, 0.2295, 0.2832** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **31.1961, 0.4715, 0.3663**, and the grayscale version is **37.8017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6468, 0.2559, 0.3221**, and **21.0792, 0.2078, 0.2680** is the 20% darker color. If you saturate the color by 10%, you get **41.9943, 0.2197, 0.2741**, and if you desaturate by 10%, it is **49.1630, 0.2410, 0.2921**.

Distribution



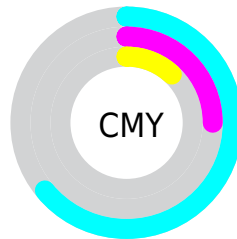
- Red (36%)
- Green (75%)
- Blue (88%)



- Red (36%)
- Yellow (58%)
- Blue (88%)



- Cyan (60%)
- Magenta (15%)
- Yellow (0%)
- Black (12%)



- Cyan (64%)
- Magenta (25%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3597, 0.2295, 0.2832 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 45.3597, 0.2295, 0.2832 by changing the saturation by 10% instead.

45.3597, 0.2295,
0.2832

45.3597, 0.2295,
0.2832

368.2284, 0.2698,
0.3069

31.7408, 0.2200,
0.2771

83.2599, 0.2438,
0.2920

21.1636, 0.2081,
0.2693

108.3101, 0.2492,
0.2952

13.2437, 0.1928,
0.2588

137.9394, 0.2539,
0.2979

7.5965, 0.1727,
0.2443

172.5324, 0.2579,
0.3003

3.8379, 0.1454,
0.2230

212.4734, 0.2615,
0.3023

1.5833, 0.1075,
0.1897

258.1468, 0.2646,

0.3463, 0.0000,

0.3040

0.1138

309.9370, 0.2673,
0.3056

0.0000, 0.0000,
0.0000

45.3597, 0.2295,
0.2832

45.3597, 0.2295,
0.2832

41.9943, 0.2197,
0.2741

49.1630, 0.2410,
0.2921

39.0290, 0.2119,
0.2648

53.4278, 0.2539,
0.3006

36.4269, 0.2060,
0.2556

58.1817, 0.2680,
0.3087

34.1250, 0.2019,
0.2465

63.4485, 0.2828,
0.3162

34.0199, 0.2017,
0.2461

69.2502, 0.2980,
0.3230

75.6072, 0.3134,
0.3293

82.5389, 0.3288,
0.3349

86.8885, 0.3326,
0.3403

90.1371, 0.3319,
0.3457

Harmonies

Analogous

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



45.3597, 0.2397, 0.3216



45.3597, 0.2295, 0.2832



45.3597, 0.2392, 0.2608

Triad

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



45.3597, 0.2295, 0.2832



45.3597, 0.3555, 0.2945



45.3597, 0.3552, 0.4110

Complementary

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



45.3597, 0.2295, 0.2832



31.1961, 0.4715, 0.3663

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.



45.3597, 0.3897, 0.3958



45.3597, 0.2295, 0.2832



45.3597, 0.3910, 0.3286

Square

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



45.3597, 0.2295, 0.2832



45.3597, 0.3095, 0.2688



45.3597, 0.4036, 0.3649



45.3597, 0.3107, 0.4011

Rectangle

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



45.3597, 0.2295, 0.2832



45.3597, 0.2561, 0.2560



45.3597, 0.4036, 0.3649



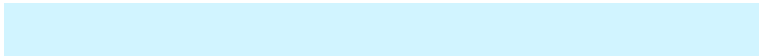
45.3597, 0.3684, 0.4083

Sweetspot

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



45.3614, 0.2295, 0.2832



85.3048, 0.2849, 0.3172



57.4901, 0.2897, 0.4789



17.7983, 0.2805, 0.3150



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.



45.3614, 0.2295, 0.2832



54.9589, 0.2180, 0.2723



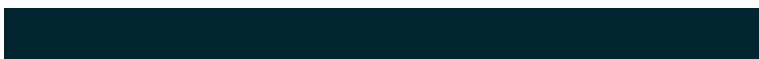
22.7859, 0.2079, 0.1859



14.9702, 0.2982, 0.3231



19.7969, 0.2021, 0.2475



1.5101, 0.2060, 0.2616

Inverse Universe

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



27.3063, 0.3561, 0.2195



30.8234, 0.3680, 0.2049



53.2809, 0.4197, 0.4368



13.8749, 0.3175, 0.3115



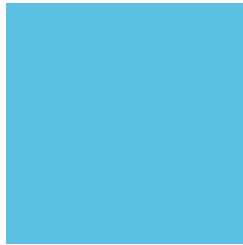
10.9066, 0.3947, 0.1948



0.7699, 0.3809, 0.1872

Previews

White Background



This preview shows how the Yxy color 45.3597, 0.2295, 0.2832 looks on a white background.

Color Contrast Check

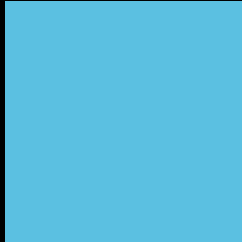
Large Text (above 18pt) WCAG AA × Fail

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 45.3597, 0.2295, 0.2832 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 45.3597, 0.2295, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 45.3597, 0.2295, 0.2832.

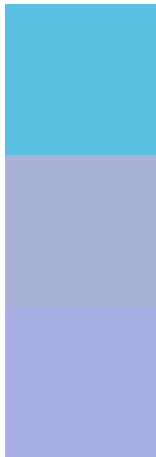


This preview shows how white text looks on a background with the Yxy color 45.3597, 0.2295, 0.2832.

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

45.3597, 0.2295, 0.2832

Protanopia

44.8454, 0.2791, 0.2817

Deuteranopia

44.7521, 0.2681, 0.2618



Tritanopia

45.1680, 0.2347, 0.3058

Trichromacy



Original Color

45.3597, 0.2295, 0.2832

Protanomaly

44.1806, 0.2567, 0.2809

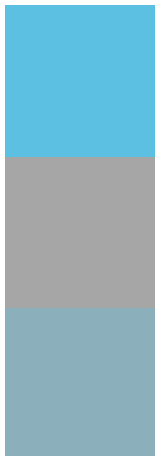
Deuteranomaly

44.3119, 0.2507, 0.2676

Tritanomaly

45.0725, 0.2328, 0.2976

Monochromacy



Original Color

45.3597, 0.2295, 0.2832

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.7368, 0.2740, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3597, 0.2295, 0.2832 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(91, 192, 225)` looks like.

```
.text, #text, p{  
    color:rgb(91, 192, 225)  
}
```

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(91, 192, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 192, 225) }
```

Border

The CSS property to change the border of an element to Yxy 45.3597, 0.2295, 0.2832 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(91, 192, 225) }
```

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

```
.border{ border-color:rgb(91, 192, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 192, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 192, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 192, 225);  
box-shadow:4px 4px 4px 4px rgb(91, 192,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3597, 0.2295, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 192, 225) }
```

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

```
.background{ background-color: rgb(91, 192,  
225) }
```

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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