

Converting Colors

$Y_{xy}(45.2469, 0.2387, 0.3141)$

Have a look what the booklet for
Yxy(45.2469, 0.2387, 0.3141)
contains.

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Color

Yxy(45.0661, 0.2384, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	58C2CD
RGB	88, 194, 205
RGB Percent	35%, 76%, 80%
CMY	0.6547, 0.2392, 0.1962
CMYK	0.57, 0.05, 0.00, 0.20
HSL	186°, 54%, 57%
HSV	186°, 57%, 80%
XYZ	34.3361, 45.0661, 64.6250
YIQ	163.5600, -66.7070, -19.0510

Conversions

Conversions Part 2

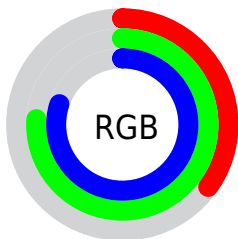
Format	Color
R _Y B	88, 144, 205
Decimal	5817037
CIE Lab	72.94, -27.24, -14.74
CIE LCh	73, 30.973, 208.419
Yxy	45.0661, 0.2384, 0.3129
Android (android.graphics.Color)	4284007117 (0xFF58C2CD)
YUV	163.5600, 20.4299, -66.2661
Hunter-Lab	67.1313, -26.1812, -10.0845

Details

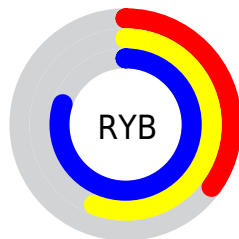
The Yxy color **45.0661, 0.2384, 0.3129** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.6081, 0.4760, 0.3428**, and the grayscale version is **36.8363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5103, 0.2546, 0.3243**, and **20.9905, 0.2185, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **43.3532, 0.2303, 0.3097**, and if you desaturate by 10%, it is **47.0747, 0.2484, 0.3161**.

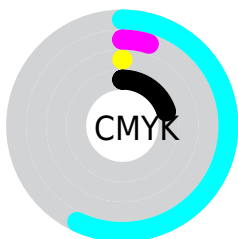
Distribution



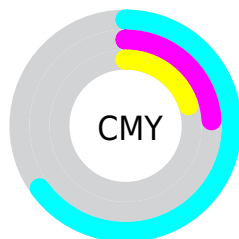
- Red (35%)
- Green (76%)
- Blue (80%)



- Red (35%)
- Yellow (56%)
- Blue (80%)



- Cyan (57%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)





- Cyan (65%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0661, 0.2384, 0.3129 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 45.0661, 0.2384, 0.3129 by changing the saturation by 10% instead.


 45.0661, 0.2384,
0.3129

 45.0661, 0.2384,
0.3129


367.0412, 0.2747,
0.3220

 31.5095, 0.2296,
0.3103


 82.8196, 0.2514,
0.3164


 20.9871, 0.2186,
0.3069


 107.7853, 0.2563,
0.3177

 13.1146, 0.2043,
0.3020


 137.3228, 0.2605,
0.3187

 7.5075, 0.1850,
0.2947

 171.8165, 0.2642,
0.3196

 3.7815, 0.1581,
0.2830

211.6508, 0.2673,
0.3203

 1.5521, 0.1175,
0.2621

257.2100, 0.2701,

 0.3250, 0.0000,

0.3210

0.1833

308.8787, 0.2726,
0.3215

0.0000, 0.0000,
0.0000

45.0661, 0.2384,
0.3129

45.0661, 0.2384,
0.3129

43.3532, 0.2303,
0.3097

47.0747, 0.2484,
0.3161

41.9066, 0.2240,
0.3064

49.3952, 0.2600,
0.3191

40.6996, 0.2197,
0.3032

52.0490, 0.2729,
0.3220

39.6943, 0.2171,
0.3000

55.0536, 0.2870,
0.3248

39.4152, 0.2164,
0.2991

58.4256, 0.3019,
0.3273

■ 62.1804, 0.3173,
0.3297

■ 66.3326, 0.3330,
0.3318

■ 70.8959, 0.3486,
0.3337

■ 72.4061, 0.3505,
0.3356

Harmonies

Analogous

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



45.0661, 0.2628, 0.3560



45.0661, 0.2384, 0.3129



45.0661, 0.2327, 0.2787

Triad

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



45.0661, 0.2384, 0.3129



45.0661, 0.3195, 0.2753



45.0661, 0.3812, 0.3984

Complementary

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



45.0661, 0.2384, 0.3129



22.6081, 0.4760, 0.3428

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.



45.0661, 0.3995, 0.3712



45.0661, 0.2384, 0.3129



45.0661, 0.3628, 0.3024

Square

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



45.0661, 0.2384, 0.3129



45.0661, 0.2770, 0.2602



45.0661, 0.3930, 0.3365



45.0661, 0.3448, 0.4081

Rectangle

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



45.0661, 0.2384, 0.3129



45.0661, 0.2396, 0.2648



45.0661, 0.3930, 0.3365



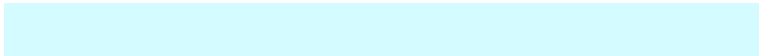
45.0661, 0.3897, 0.3907

Sweetspot

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



45.0678, 0.2384, 0.3129



90.1181, 0.2868, 0.3247



46.6025, 0.2994, 0.4975



19.0648, 0.2838, 0.3242



0.0000, 0.0000, 0.0000



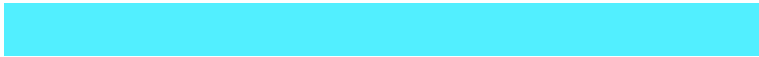
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.0678, 0.2384, 0.3129



70.5741, 0.2290, 0.3091



24.3096, 0.2189, 0.2221



12.5401, 0.2983, 0.3268



24.6215, 0.2166, 0.2996



1.3238, 0.2183, 0.3058

Inverse Universe

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



23.8584, 0.3314, 0.2059



33.4508, 0.3358, 0.1879



37.5425, 0.4278, 0.4132



11.3849, 0.3152, 0.3083



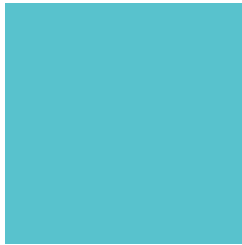
10.2885, 0.3458, 0.1679



0.5362, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 45.0661, 0.2384, 0.3129 looks on a white background.

Color Contrast Check

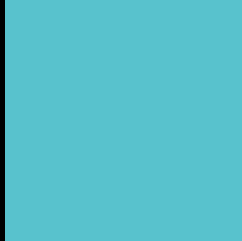
Large Text (above 18pt) WCAG AA × Fail

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 45.0661, 0.2384, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

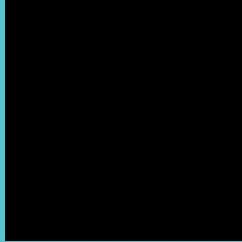
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0661, 0.2384, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 45.0661, 0.2384, 0.3129.



This preview shows how white text looks on a background with the Yxy color 45.0661, 0.2384, 0.3129.

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

45.0661, 0.2384, 0.3129

Protanopia

44.5694, 0.2985, 0.3068

Deuteranopia

44.5789, 0.2904, 0.2847



Tritanopia

44.9170, 0.2369, 0.3058

Trichromacy



Original Color

45.0661, 0.2384, 0.3129

Protanomaly

43.8735, 0.2713, 0.3082

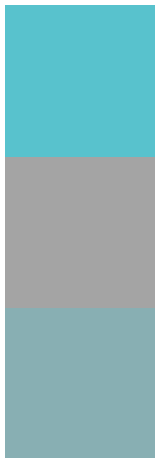
Deuteranomaly

43.8049, 0.2667, 0.2925

Tritanomaly

44.8178, 0.2370, 0.3072

Monochromacy



Original Color

45.0661, 0.2384, 0.3129

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

39.1489, 0.2774, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0661, 0.2384, 0.3129 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(88, 194, 205)` looks like.

```
.text, #text, p{  
    color:rgb(88, 194, 205)  
}
```

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(88, 194, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 194, 205) }
```

Border

The CSS property to change the border of an element to Yxy 45.0661, 0.2384, 0.3129 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(88, 194, 205) }
```

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

```
.border{ border-color:rgb(88, 194, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 194, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 194, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 194, 205);  
box-shadow:4px 4px 4px 4px rgb(88, 194,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0661, 0.2384, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 194, 205) }
```

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

```
.background{ background-color: rgb(88, 194,  
205) }
```

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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