

Converting Colors

$Yxy(44.5444, 0.2344, 0.3040)$

Have a look what the booklet for
Yxy(44.5444, 0.2344, 0.3040)
contains.

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Color

Yxy(44.7244, 0.2344, 0.3043)

Conversions

Conversions Part 1

Format	Color
Hex	55C1D2
RGB	85, 193, 210
RGB Percent	33%, 76%, 82%
CMY	0.6666, 0.2431, 0.1764
CMYK	0.60, 0.08, 0.00, 0.18
HSL	188°, 58%, 58%
HSV	188°, 60%, 82%
XYZ	34.4509, 44.7244, 67.7994
YIQ	162.6460, -69.8250, -17.6090

Conversions

Conversions Part 2

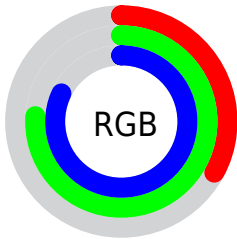
Format	Color
RYB	85, 143, 210
Decimal	5620178
CIELab	72.71, -25.87, -17.84
CIELCh	73, 31.426, 214.584
Yxy	44.7244, 0.2344, 0.3043
Android (android.graphics.Color)	4283810258 (0xFF55C1D2)
YUV	162.6460, 23.3455, -68.0955
Hunter-Lab	66.8763, -25.0805, -13.2950

Details

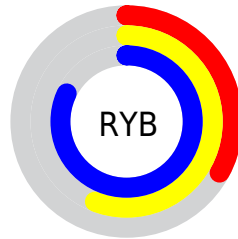
The Yxy color **44.7244, 0.2344, 0.3043** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.8677, 0.4828, 0.3494**, and the grayscale version is **36.3653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7022, 0.2535, 0.3232**, and **20.8655, 0.2152, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **42.6328, 0.2262, 0.2995**, and if you desaturate by 10%, it is **47.1354, 0.2445, 0.3090**.

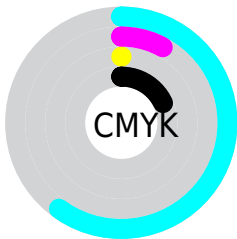
Distribution



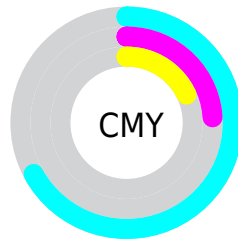
- Red (33%)
- Green (76%)
- Blue (82%)



- Red (33%)
- Yellow (56%)
- Blue (82%)



- Cyan (60%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)



- Cyan (67%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7244, 0.2344, 0.3043 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 44.7244, 0.2344, 0.3043 by changing the saturation by 10% instead.


 44.7244, 0.2344,
0.3043


 44.7244, 0.2344,
0.3043

365.6562, 0.2726,
0.3178

 31.2404, 0.2252,
0.3006


 82.3067, 0.2480,
0.3094


 20.7820, 0.2137,
0.2958


 107.1738, 0.2532,
0.3113

 12.9647, 0.1988,
0.2891


 136.6040, 0.2576,
0.3128

 7.4043, 0.1789,
0.2793

 170.9818, 0.2615,
0.3141

 3.7162, 0.1513,
0.2639

210.6915, 0.2648,
0.3152

 1.5161, 0.1107,
0.2377

256.1175, 0.2677,

 0.3000, 0.0000,

0.3162

0.1492

307.6443, 0.2703,
0.3170

0.0000, 0.0000,
0.0000

44.7244, 0.2344,
0.3043

44.7244, 0.2344,
0.3043

42.6328, 0.2262,
0.2995

47.1354, 0.2445,
0.3090

40.8289, 0.2199,
0.2947

49.8843, 0.2561,
0.3135

39.2825, 0.2155,
0.2899

52.9940, 0.2692,
0.3179

37.9390, 0.2126,
0.2852

56.4838, 0.2833,
0.3219

37.8768, 0.2125,
0.2849

60.3717, 0.2981,
0.3257

■ 64.6744, 0.3135,
0.3292

■ 69.4075, 0.3290,
0.3323

■ 74.5860, 0.3444,
0.3351

■ 76.4355, 0.3454,
0.3379

Harmonies

Analogous

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



44.7244, 0.2555, 0.3474



44.7244, 0.2344, 0.3043



44.7244, 0.2327, 0.2726

Triad

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



44.7244, 0.2344, 0.3043



44.7244, 0.3290, 0.2792



44.7244, 0.3759, 0.4033

Complementary

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



44.7244, 0.2344, 0.3043



23.8677, 0.4828, 0.3494

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.



44.7244, 0.3991, 0.3784



44.7244, 0.2344, 0.3043



44.7244, 0.3715, 0.3087

Square

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



44.7244, 0.2344, 0.3043



44.7244, 0.2845, 0.2611



44.7244, 0.3979, 0.3440



44.7244, 0.3364, 0.4085

Rectangle

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



44.7244, 0.2344, 0.3043



44.7244, 0.2423, 0.2610



44.7244, 0.3979, 0.3440



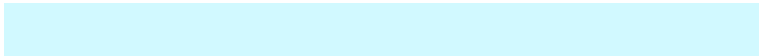
44.7244, 0.3859, 0.3967

Sweetspot

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



44.7261, 0.2344, 0.3043



88.3883, 0.2852, 0.3225



48.9858, 0.2960, 0.4970



18.5592, 0.2809, 0.3213



0.0000, 0.0000, 0.0000



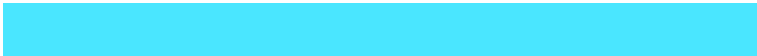
21.4041, 0.3127, 0.3290

Same Dimension

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



44.7261, 0.2344, 0.3043



65.4661, 0.2246, 0.2984



22.7768, 0.2127, 0.2063



13.1212, 0.2983, 0.3258



23.2091, 0.2127, 0.2856



1.3753, 0.2151, 0.2943

Inverse Universe

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



24.0529, 0.3386, 0.2064



31.8841, 0.3451, 0.1896



40.9756, 0.4289, 0.4232



11.9802, 0.3158, 0.3092



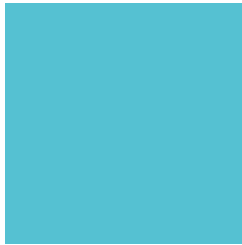
10.4142, 0.3583, 0.1747



0.5901, 0.3504, 0.1704

Previews

White Background



This preview shows how the Yxy color 44.7244, 0.2344, 0.3043 looks on a white background.

Color Contrast Check

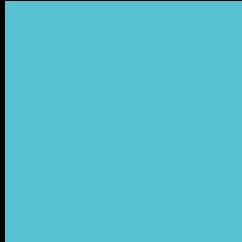
Large Text (above 18pt) WCAG AA × Fail

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 44.7244, 0.2344, 0.3043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

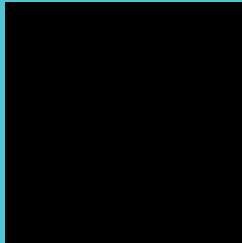
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.7244, 0.2344, 0.3043

Background



This preview shows how black text looks on a background with the Yxy color 44.7244, 0.2344, 0.3043.



This preview shows how white text looks on a background with the Yxy color 44.7244, 0.2344, 0.3043.

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

44.7244, 0.2344, 0.3043

Protanopia

44.1729, 0.2930, 0.2990

Deuteranopia

43.9723, 0.2835, 0.2771



Tritanopia

44.6747, 0.2349, 0.3057

Trichromacy



Original Color

44.7244, 0.2344, 0.3043

Protanomaly

43.5185, 0.2666, 0.3000

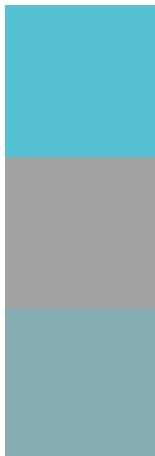
Deuteranomaly

43.2863, 0.2606, 0.2845

Tritanomaly

44.6747, 0.2349, 0.3057

Monochromacy



Original Color

44.7244, 0.2344, 0.3043

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.7183, 0.2758, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7244, 0.2344, 0.3043 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(85, 193, 210)` looks like.

```
.text, #text, p{  
    color:rgb(85, 193, 210)  
}
```

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(85, 193, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 193, 210) }
```

Border

The CSS property to change the border of an element to Yxy 44.7244, 0.2344, 0.3043 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(85, 193, 210) }
```

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

```
.border{ border-color:rgb(85, 193, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 193, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 193, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 193, 210);  
box-shadow:4px 4px 4px 4px rgb(85, 193,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7244, 0.2344, 0.3043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 193, 210) }
```

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

```
.background{ background-color: rgb(85, 193,  
210) }
```

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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