

Converting Colors

$Yxy(51.0687, 0.2421, 0.3115)$

Have a look what the booklet for
Yxy(51.0687, 0.2421, 0.3115)
contains.

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Color

Yxy(51.0790, 0.2418, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	67CCD9
RGB	103, 204, 217
RGB Percent	40%, 80%, 85%
CMY	0.5965, 0.1999, 0.1490
CMYK	0.53, 0.06, 0.00, 0.15
HSL	187°, 60%, 63%
HSV	187°, 53%, 85%
XYZ	39.7007, 51.0790, 73.4086
YIQ	175.2830, -64.3690, -17.3690

Conversions

Conversions Part 2

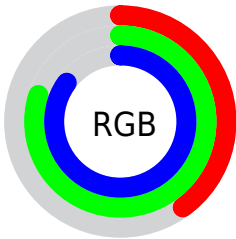
Format	Color
R _{YB}	103, 157, 217
Decimal	6802649
CIE Lab	76.73, -25.93, -15.50
CIE LCh	77, 30.206, 210.868
Yxy	51.0790, 0.2418, 0.3111
Android (android.graphics.Color)	4284992729 (0xFF67CCD9)
YUV	175.2830, 20.5665, -63.3922
Hunter-Lab	71.4696, -25.9165, -10.8699

Details

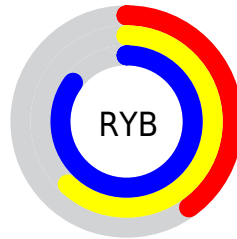
The Yxy color **51.0790, 0.2418, 0.3111** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.1897, 0.4561, 0.3448**, and the grayscale version is **42.9280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **24.7964, 0.2242, 0.3063** is the 20% darker color. If you saturate the color by 10%, you get **48.7974, 0.2326, 0.3072**, and if you desaturate by 10%, it is **53.7159, 0.2528, 0.3149**.

Distribution



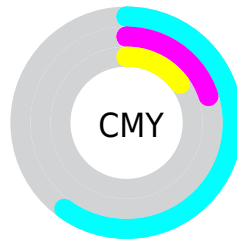
- Red (40%)
- Green (80%)
- Blue (85%)



- Red (40%)
- Yellow (62%)
- Blue (85%)



- Cyan (53%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)




- Cyan (60%)
- Magenta (20%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0790, 0.2418, 0.3111 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 51.0790, 0.2418, 0.3111 by changing the saturation by 10% instead.


 51.0790, 0.2418,
0.3111

 51.0790, 0.2418,
0.3111


390.8706, 0.2758,
0.3208


 36.2715, 0.2338,
0.3085


 91.7715, 0.2538,
0.3148

 24.6439, 0.2238,
0.3051


 118.4253, 0.2584,
0.3161

 15.8120, 0.2110,
0.3003


 149.7967, 0.2623,
0.3172

 9.3912, 0.1940,
0.2935

 186.2700, 0.2658,
0.3182

 4.9972, 0.1706,
0.2830

228.2297, 0.2687,
0.3190

 2.2456, 0.1370,
0.2651

276.0601, 0.2714,

 0.7447, 0.0246,

0.3197

0.2446

330.1456, 0.2737,
0.3203

0.0000, 0.0000,
0.0000

51.0790, 0.2418,
0.3111

51.0790, 0.2418,
0.3111

48.7974, 0.2326,
0.3072

53.7159, 0.2528,
0.3149

46.8388, 0.2253,
0.3032

56.7258, 0.2652,
0.3186

45.1747, 0.2199,
0.2992

60.1322, 0.2789,
0.3221

43.7686, 0.2163,
0.2953

63.9548, 0.2935,
0.3253

42.8468, 0.2146,
0.2924

68.2121, 0.3087,
0.3283

■ 72.9213, 0.3243,
0.3310

■ 78.0988, 0.3399,
0.3334

■ 79.4535, 0.3397,
0.3359

■ 80.7881, 0.3393,
0.3383

Harmonies

Analogous

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



51.0790, 0.2635, 0.3510



51.0790, 0.2418, 0.3111



51.0790, 0.2378, 0.2800

Triad

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



51.0790, 0.2418, 0.3111



51.0790, 0.3226, 0.2802



51.0790, 0.3747, 0.3955

Complementary

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



51.0790, 0.2418, 0.3111



28.1897, 0.4561, 0.3448

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.



51.0790, 0.3933, 0.3713



51.0790, 0.2418, 0.3111



51.0790, 0.3625, 0.3065

Square

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



51.0790, 0.2418, 0.3111



51.0790, 0.2823, 0.2649



51.0790, 0.3891, 0.3390



51.0790, 0.3398, 0.4025

Rectangle

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



51.0790, 0.2418, 0.3111



51.0790, 0.2454, 0.2677



51.0790, 0.3891, 0.3390



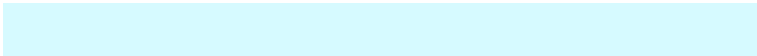
51.0790, 0.3831, 0.3889

Sweetspot

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



51.0809, 0.2418, 0.3111



90.1410, 0.2882, 0.3242



53.7227, 0.2992, 0.4806



19.0479, 0.2852, 0.3235



0.0000, 0.0000, 0.0000



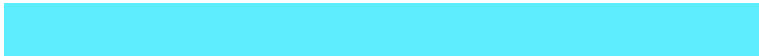
21.4041, 0.3127, 0.3290

Same Dimension

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



51.0809, 0.2418, 0.3111



70.0287, 0.2318, 0.3068



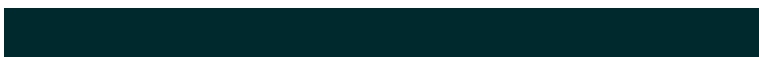
29.2350, 0.2252, 0.2288



14.5634, 0.2982, 0.3263



26.0373, 0.2147, 0.2930



1.7602, 0.2165, 0.2993

Inverse Universe

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



28.7911, 0.3322, 0.2157



35.4263, 0.3371, 0.1974



44.9885, 0.4163, 0.4099



13.2480, 0.3155, 0.3085



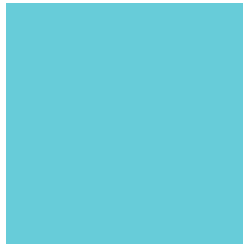
11.2522, 0.3517, 0.1711



0.7364, 0.3460, 0.1680

Previews

White Background



This preview shows how the Yxy color 51.0790, 0.2418, 0.3111 looks on a white background.

Color Contrast Check

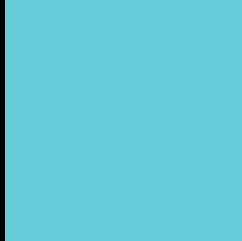
Large Text (above 18pt) WCAG AA × Fail

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 51.0790, 0.2418, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

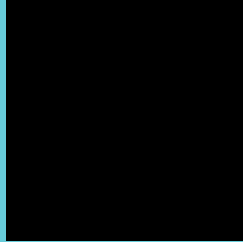
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.0790, 0.2418, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 51.0790, 0.2418, 0.3111.



This preview shows how white text looks on a background with the Yxy color 51.0790, 0.2418, 0.3111.

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

51.0790, 0.2418, 0.3111

Protanopia

50.4360, 0.2977, 0.3054

Deuteranopia

50.4486, 0.2900, 0.2845



Tritanopia

51.2961, 0.2408, 0.3071

Trichromacy



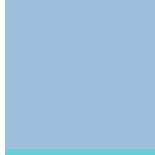
Original Color

51.0790, 0.2418, 0.3111



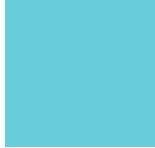
Protanomaly

49.8610, 0.2733, 0.3068



Deuteranomaly

49.6980, 0.2681, 0.2919



Tritanomaly

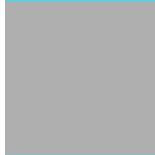
51.2433, 0.2413, 0.3085

Monochromacy



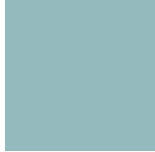
Original Color

51.0790, 0.2418, 0.3111



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.2251, 0.2806, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0790, 0.2418, 0.3111 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(103, 204, 217)` looks like.

```
.text, #text, p{  
    color:rgb(103, 204, 217)  
}
```

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(103, 204, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 204, 217) }
```

Border

The CSS property to change the border of an element to Yxy 51.0790, 0.2418, 0.3111 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(103, 204, 217) }
```

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

```
.border{ border-color:rgb(103, 204, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 204, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 204, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 204, 217); box-shadow:4px 4px 4px 4px rgb(103, 204, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0790, 0.2418, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 204, 217) }
```

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

```
.background{ background-color: rgb(103,  
204, 217) }
```

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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