

Converting Colors

Yxy(51.7694, 0.2399, 0.3008)

Have a look what the booklet for
Yxy(51.7694, 0.2399, 0.3008)
contains.

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Color

Yxy(51.7478, 0.2397, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	6BCCE1
RGB	107, 204, 225
RGB Percent	42%, 80%, 88%
CMY	0.5808, 0.1999, 0.1176
CMYK	0.52, 0.09, 0.00, 0.12
HSL	191°, 66%, 65%
HSV	191°, 52%, 88%
XYZ	41.2365, 51.7478, 79.0496
YIQ	177.3910, -64.5530, -14.0330

Conversions

Conversions Part 2

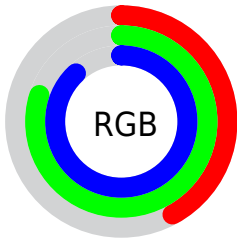
Format	Color
R _Y B	107, 160, 225
Decimal	7064801
CIE Lab	77.13, -22.91, -19.18
CIE LCh	77, 29.878, 219.948
Yxy	51.7478, 0.2397, 0.3008
Android (android.graphics.Color)	4285254881 (0xFF6BCCE1)
YUV	177.3910, 23.4712, -61.7329
Hunter-Lab	71.9359, -23.5646, -14.7979

Details

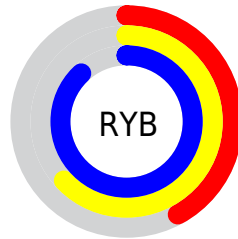
The Yxy color **51.7478, 0.2397, 0.3008** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.4721, 0.4508, 0.3536**, and the grayscale version is **44.0695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **25.1864, 0.2214, 0.2924** is the 20% darker color. If you saturate the color by 10%, you get **48.6575, 0.2296, 0.2945**, and if you desaturate by 10%, it is **55.2534, 0.2514, 0.3069**.

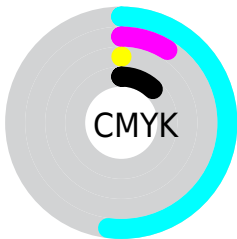
Distribution



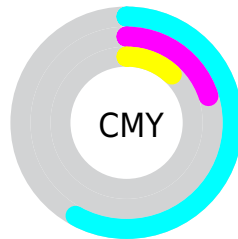
- Red (42%)
- Green (80%)
- Blue (88%)



- Red (42%)
- Yellow (63%)
- Blue (88%)



- Cyan (52%)
- Magenta (9%)
- Yellow (0%)
- Black (12%)



- Cyan (58%)
- Magenta (20%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7478, 0.2397, 0.3008 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 51.7478, 0.2397, 0.3008 by changing the saturation by 10% instead.


 51.7478, 0.2397,
0.3008

 51.7478, 0.2397,
0.3008


393.4622, 0.2745,
0.3155

 36.8041, 0.2316,
0.2970


 92.7592, 0.2519,
0.3062

 25.0558, 0.2214,
0.2921


 119.5957, 0.2567,
0.3082

 16.1187, 0.2085,
0.2855


 151.1652, 0.2607,
0.3099

 9.6082, 0.1914,
0.2763

187.8521, 0.2642,
0.3114

 5.1399, 0.1682,
0.2626

230.0409, 0.2673,
0.3126

 2.3296, 0.1353,
0.2405

278.1159, 0.2700,

 0.7893, 0.0505,

0.3137

0.2086

332.4616, 0.2724,
0.3146

■ 0.0000, 0.0000,
0.0000

■ 51.7478, 0.2397,
0.3008

■ 51.7478, 0.2397,
0.3008

■ 48.6575, 0.2296,
0.2945

■ 55.2534, 0.2514,
0.3069

■ 45.9475, 0.2214,
0.2881

■ 59.1945, 0.2645,
0.3127

■ 43.5863, 0.2151,
0.2816

■ 63.5968, 0.2786,
0.3182

■ 41.5335, 0.2108,
0.2752

■ 68.4821, 0.2935,
0.3233

■ 40.1465, 0.2085,
0.2704

■ 73.8709, 0.3089,
0.3279

■ 79.7821, 0.3243,
0.3321

■ 84.4093, 0.3331,
0.3360

■ 86.6854, 0.3326,
0.3399

■ 89.0130, 0.3321,
0.3438

Harmonies

Analogous

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



51.7478, 0.2561, 0.3386



51.7478, 0.2397, 0.3008



51.7478, 0.2413, 0.2744

Triad

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



51.7478, 0.2397, 0.3008



51.7478, 0.3350, 0.2878



51.7478, 0.3646, 0.3988

Complementary

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



51.7478, 0.2397, 0.3008



32.4721, 0.4508, 0.3536

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.



51.7478, 0.3887, 0.3792



51.7478, 0.2397, 0.3008



51.7478, 0.3716, 0.3162

Square

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



51.7478, 0.2397, 0.3008



51.7478, 0.2941, 0.2690



51.7478, 0.3917, 0.3489



51.7478, 0.3274, 0.3989

Rectangle

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



51.7478, 0.2397, 0.3008



51.7478, 0.2523, 0.2655



51.7478, 0.3917, 0.3489



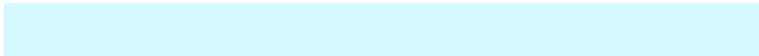
51.7478, 0.3746, 0.3940

Sweetspot

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



51.7498, 0.2397, 0.3008



88.5284, 0.2881, 0.3215



58.4916, 0.2953, 0.4696



18.6599, 0.2850, 0.3204



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.



51.7498, 0.2397, 0.3008



64.2612, 0.2288, 0.2939



29.1932, 0.2228, 0.2171



15.1364, 0.2982, 0.3247



23.2892, 0.2087, 0.2714



1.7241, 0.2115, 0.2813

Inverse Universe

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



30.8606, 0.3404, 0.2226



34.8441, 0.3478, 0.2052



52.0295, 0.4113, 0.4181



13.8917, 0.3165, 0.3099



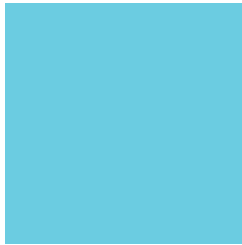
11.2591, 0.3715, 0.1820



0.7915, 0.3623, 0.1770

Previews

White Background



This preview shows how the Yxy color 51.7478, 0.2397, 0.3008 looks on a white background.

Color Contrast Check

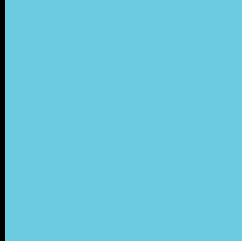
Large Text (above 18pt) WCAG AA × Fail

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 51.7478, 0.2397, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

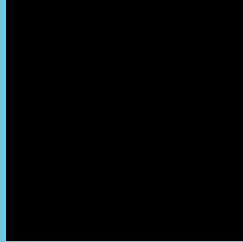
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7478, 0.2397, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 51.7478, 0.2397, 0.3008.



This preview shows how white text looks on a background with the Yxy color 51.7478, 0.2397, 0.3008.

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

51.7478, 0.2397, 0.3008

Protanopia

51.1358, 0.2913, 0.2971

Deuteranopia

51.0464, 0.2831, 0.2767



Tritanopia

51.9473, 0.2415, 0.3073

Trichromacy



Original Color

51.7478, 0.2397, 0.3008

Protanomaly

50.8136, 0.2691, 0.2982

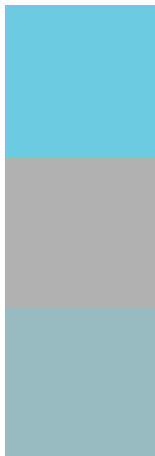
Deuteranomaly

50.6716, 0.2641, 0.2838

Tritanomaly

52.0007, 0.2410, 0.3060

Monochromacy



Original Color

51.7478, 0.2397, 0.3008

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

46.1111, 0.2802, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7478, 0.2397, 0.3008 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(107, 204, 225)` looks like.

```
.text, #text, p{  
    color:rgb(107, 204, 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(107, 204, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 204, 225) }
```

Border

The CSS property to change the border of an element to Yxy 51.7478, 0.2397, 0.3008 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(107, 204, 225) }
```

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

```
.border{ border-color:rgb(107, 204, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 204, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 204, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 204, 225);  
box-shadow:4px 4px 4px 4px rgb(107, 204,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7478, 0.2397, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 204, 225) }
```

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

```
.background{ background-color: rgb(107,  
204, 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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