

Converting Colors

$Y_{xy}(52.0067, 0.2342, 0.2982)$

Have a look what the booklet for
Yxy(52.0067, 0.2342, 0.2982)
contains.

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Color

Yxy(51.7509, 0.2341, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	60CDE4
RGB	96, 205, 228
RGB Percent	38%, 80%, 89%
CMY	0.6238, 0.1960, 0.1058
CMYK	0.58, 0.10, 0.00, 0.11
HSL	190°, 71%, 64%
HSV	190°, 58%, 89%
XYZ	40.6540, 51.7509, 81.2559
YIQ	175.0310, -72.3470, -15.9550

Conversions

Conversions Part 2

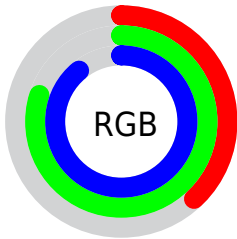
Format	Color
RYB	96, 156, 228
Decimal	6344164
CIELab	77.13, -24.70, -20.84
CIElCh	77, 32.319, 220.148
Yxy	51.7509, 0.2341, 0.2980
Android (android.graphics.Color)	4284534244 (0xFF60CDE4)
YUV	175.0310, 26.1137, -69.3102
Hunter-Lab	71.9381, -25.0170, -16.6129

Details

The Yxy color **51.7509, 0.2341, 0.2980** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.5165, 0.4732, 0.3548**, and the grayscale version is **42.7686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **25.2359, 0.2148, 0.2886** is the 20% darker color. If you saturate the color by 10%, you get **48.8154, 0.2251, 0.2917**, and if you desaturate by 10%, it is **55.0970, 0.2449, 0.3041**.

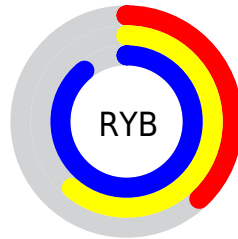
Distribution



Red (38%)

Green (80%)

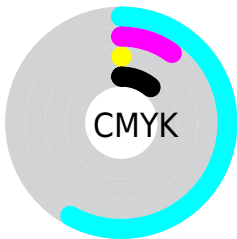
Blue (89%)



Red (38%)

Yellow (61%)

Blue (89%)

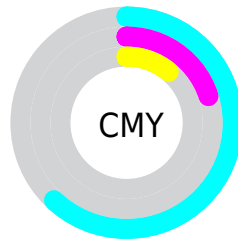


Cyan (58%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (62%)


Magenta (20%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7509, 0.2341, 0.2980 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 51.7509, 0.2341, 0.2980 by changing the saturation by 10% instead.


 51.7509, 0.2341,
0.2980


 51.7509, 0.2341,
0.2980


393.4742, 0.2714,
0.3142


 36.8066, 0.2254,
0.2938


 92.7638, 0.2472,
0.3040

 25.0578, 0.2146,
0.2884


 119.6011, 0.2523,
0.3062

 16.1201, 0.2009,
0.2812


 151.1715, 0.2566,
0.3081

 9.6092, 0.1830,
0.2711

 187.8595, 0.2604,
0.3097

 5.1406, 0.1587,
0.2561

230.0493, 0.2636,
0.3110

 2.3300, 0.1249,
0.2323

278.1254, 0.2666,

 0.7895, 0.0370,

0.3122

0.1982

332.4723, 0.2691,
0.3133

■ 0.0000, 0.0000,
0.0000

■ 51.7509, 0.2341,
0.2980

■ 51.7509, 0.2341,
0.2980

■ 48.8154, 0.2251,
0.2917

■ 55.0970, 0.2449,
0.3041

■ 46.2523, 0.2180,
0.2854

■ 58.8763, 0.2573,
0.3100

■ 44.0255, 0.2128,
0.2791

■ 63.1166, 0.2708,
0.3155

■ 42.0823, 0.2094,
0.2729

■ 67.8413, 0.2854,
0.3207

■ 41.6991, 0.2088,
0.2716

■ 73.0723, 0.3005,
0.3255

■ 78.8300, 0.3159,
0.3299

■ 85.0320, 0.3310,
0.3338

■ 87.3034, 0.3306,
0.3377

■ 89.6257, 0.3301,
0.3416

Harmonies

Analogous

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



51.7509, 0.2514, 0.3389



51.7509, 0.2341, 0.2980



51.7509, 0.2360, 0.2698

Triad

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



51.7509, 0.2341, 0.2980



51.7509, 0.3370, 0.2848



51.7509, 0.3684, 0.4045

Complementary

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



51.7509, 0.2341, 0.2980



30.5165, 0.4732, 0.3548

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.



51.7509, 0.3948, 0.3830



51.7509, 0.2341, 0.2980



51.7509, 0.3767, 0.3153

Square

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



51.7509, 0.2341, 0.2980



51.7509, 0.2928, 0.2646



51.7509, 0.3983, 0.3503



51.7509, 0.3280, 0.4049

Rectangle

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



51.7509, 0.2341, 0.2980



51.7509, 0.2478, 0.2605



51.7509, 0.3983, 0.3503



51.7509, 0.3792, 0.3992

Sweetspot

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



51.7528, 0.2341, 0.2980



87.9623, 0.2866, 0.3211



59.2849, 0.2942, 0.4868



18.5507, 0.2836, 0.3201



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.



51.7528, 0.2341, 0.2980



62.0412, 0.2231, 0.2902



26.8279, 0.2134, 0.2031



15.8868, 0.2981, 0.3248



24.2304, 0.2091, 0.2726



1.9033, 0.2116, 0.2817

Inverse Universe

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



29.2568, 0.3436, 0.2130



31.8751, 0.3520, 0.1958



51.6147, 0.4229, 0.4260



14.5699, 0.3164, 0.3098



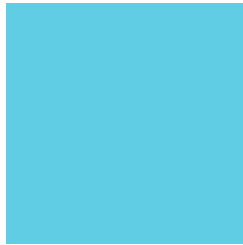
11.6438, 0.3704, 0.1814



0.8718, 0.3619, 0.1767

Previews

White Background



This preview shows how the Yxy color 51.7509, 0.2341, 0.2980 looks on a white background.

Color Contrast Check

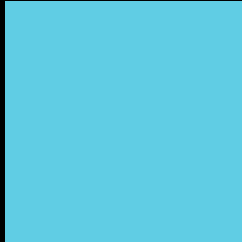
Large Text (above 18pt) WCAG AA × Fail

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 51.7509, 0.2341, 0.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

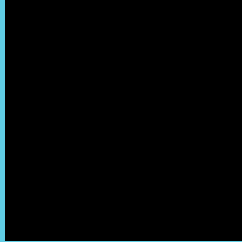
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7509, 0.2341, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 51.7509, 0.2341, 0.2980.



This preview shows how white text looks on a background with the Yxy color 51.7509, 0.2341, 0.2980.

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

51.7509, 0.2341, 0.2980

Protanopia

51.1665, 0.2884, 0.2935

Deuteranopia

50.9632, 0.2796, 0.2732



Tritanopia

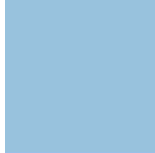
51.8500, 0.2359, 0.3058

Trichromacy



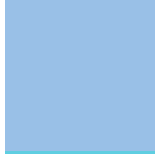
Original Color

51.7509, 0.2341, 0.2980



Protanomaly

50.4794, 0.2640, 0.2943



Deuteranomaly

50.2411, 0.2585, 0.2799



Tritanomaly

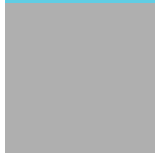
52.0118, 0.2354, 0.3032

Monochromacy



Original Color

51.7509, 0.2341, 0.2980



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.1238, 0.2758, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7509, 0.2341, 0.2980 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(96, 205, 228)` looks like.

```
.text, #text, p{  
    color:rgb(96, 205, 228)  
}
```

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(96, 205, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 205, 228) }
```

Border

The CSS property to change the border of an element to Yxy 51.7509, 0.2341, 0.2980 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(96, 205, 228) }
```

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

```
.border{ border-color:rgb(96, 205, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 205, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 205, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 205, 228);  
box-shadow:4px 4px 4px 4px rgb(96, 205,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7509, 0.2341, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 205, 228) }
```

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

```
.background{ background-color: rgb(96, 205,  
228) }
```

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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