

Converting Colors

$Yxy(51.6404, 0.2350, 0.3006)$

Have a look what the booklet for
Yxy(51.6404, 0.2350, 0.3006)
contains.

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Color

Yxy(51.6404, 0.2350, 0.3006)

Conversions

Conversions Part 1

Format	Color
Hex	60CDE2
RGB	96, 205, 226
RGB Percent	38%, 80%, 89%
CMY	0.6240, 0.1960, 0.1138
CMYK	0.58, 0.09, 0.00, 0.11
HSL	190°, 69%, 63%
HSV	190°, 58%, 89%
XYZ	40.3709, 51.6404, 79.7798
YIQ	174.8030, -71.7050, -16.5770

Conversions

Conversions Part 2

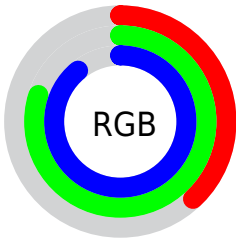
Format	Color
RYB	96, 155, 226
Decimal	6344162
CIELab	77.07, -25.29, -19.85
CIELCh	77, 32.152, 218.120
Yxy	51.6404, 0.2350, 0.3006
Android (android.graphics.Color)	4284534242 (0xFF60CDE2)
YUV	174.8030, 25.2401, -69.1102
Hunter-Lab	71.8613, -25.4778, -15.5204

Details

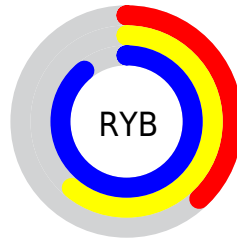
The Yxy color **51.6404, 0.2350, 0.3006** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.6950, 0.4729, 0.3528**, and the grayscale version is **42.6427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **24.8463, 0.2153, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **48.8673, 0.2261, 0.2949**, and if you desaturate by 10%, it is **54.8100, 0.2457, 0.3062**.

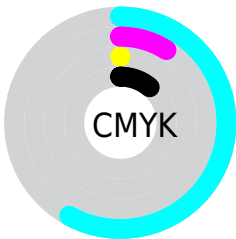
Distribution



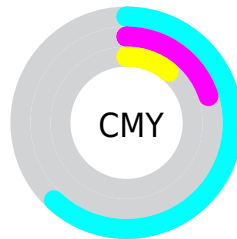
- Red (38%)
- Green (80%)
- Blue (89%)



- Red (38%)
- Yellow (61%)
- Blue (89%)



- Cyan (58%)
- Magenta (9%)
- Yellow (0%)
- Black (11%)





- Cyan (62%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6404, 0.2350, 0.3006 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 51.6404, 0.2350, 0.3006 by changing the saturation by 10% instead.


 51.6404, 0.2350,
0.3006


 51.6404, 0.2350,
0.3006

393.0468, 0.2720,
0.3155

 36.7185, 0.2264,
0.2967


 92.6007, 0.2480,
0.3061

 24.9896, 0.2157,
0.2917


 119.4079, 0.2530,
0.3082

 16.0693, 0.2020,
0.2849


 150.9457, 0.2573,
0.3099

 9.5732, 0.1842,
0.2754

 187.5984, 0.2610,
0.3114

 5.1169, 0.1600,
0.2612

229.7505, 0.2643,
0.3126

 2.3160, 0.1260,
0.2383

277.7863, 0.2671,

 0.7822, 0.0332,

0.3137

0.2063

332.0903, 0.2697,
0.3147

0.0000, 0.0000,
0.0000

51.6404, 0.2350,
0.3006

51.6404, 0.2350,
0.3006

48.8673, 0.2261,
0.2949

54.8100, 0.2457,
0.3062

46.4534, 0.2191,
0.2890

58.3980, 0.2580,
0.3116

44.3639, 0.2140,
0.2833

62.4312, 0.2715,
0.3167

42.5490, 0.2107,
0.2775

66.9327, 0.2859,
0.3215

42.1307, 0.2101,
0.2762

71.9237, 0.3010,
0.3259

■ 77.4240, 0.3165,
0.3299

■ 83.4522, 0.3320,
0.3336

■ 85.6826, 0.3322,
0.3371

■ 87.7793, 0.3318,
0.3407

Harmonies

Analogous

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



51.6404, 0.2535, 0.3418



51.6404, 0.2350, 0.3006



51.6404, 0.2356, 0.2714

Triad

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



51.6404, 0.2350, 0.3006



51.6404, 0.3339, 0.2833



51.6404, 0.3705, 0.4033

Complementary

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



51.6404, 0.2350, 0.3006



29.6950, 0.4729, 0.3528

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.



51.6404, 0.3954, 0.3809



51.6404, 0.2350, 0.3006



51.6404, 0.3742, 0.3131

Square

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



51.6404, 0.2350, 0.3006



51.6404, 0.2900, 0.2640



51.6404, 0.3972, 0.3479



51.6404, 0.3309, 0.4053

Rectangle

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



51.6404, 0.2350, 0.3006



51.6404, 0.2465, 0.2614



51.6404, 0.3972, 0.3479



51.6404, 0.3809, 0.3976

Sweetspot

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



51.6423, 0.2350, 0.3006



88.3088, 0.2866, 0.3217



58.1118, 0.2953, 0.4886



18.6332, 0.2836, 0.3208



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.



51.6423, 0.2350, 0.3006



63.6296, 0.2246, 0.2938



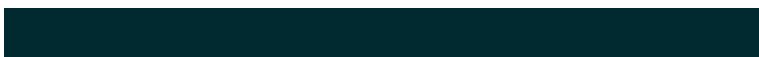
27.1431, 0.2147, 0.2073



15.1765, 0.2982, 0.3251



24.1861, 0.2103, 0.2771



1.7784, 0.2128, 0.2859

Inverse Universe

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



28.9187, 0.3414, 0.2121



32.3857, 0.3488, 0.1953



49.8323, 0.4236, 0.4233



13.8957, 0.3162, 0.3096



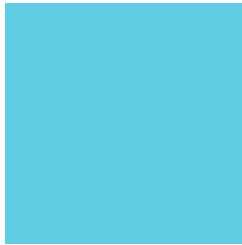
11.3496, 0.3662, 0.1791



0.7970, 0.3581, 0.1746

Previews

White Background



This preview shows how the Yxy color 51.6404, 0.2350, 0.3006 looks on a white background.

Color Contrast Check

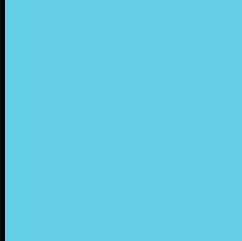
Large Text (above 18pt) WCAG AA × Fail

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 51.6404, 0.2350, 0.3006 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 51.6404, 0.2350, 0.3006

Background



This preview shows how black text looks on a background with the Yxy color 51.6404, 0.2350, 0.3006.



This preview shows how white text looks on a background with the Yxy color 51.6404, 0.2350, 0.3006.

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

51.6404, 0.2350, 0.3006

Protanopia

51.1358, 0.2913, 0.2971

Deuteranopia

50.9759, 0.2817, 0.2755



Tritanopia

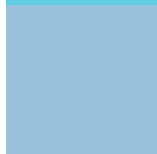
51.7962, 0.2364, 0.3071

Trichromacy



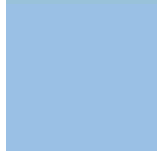
Original Color

51.6404, 0.2350, 0.3006



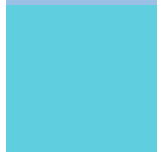
Protanomaly

50.4178, 0.2665, 0.2980



Deuteranomaly

50.2264, 0.2603, 0.2823



Tritanomaly

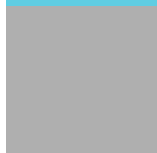
51.9032, 0.2363, 0.3058

Monochromacy



Original Color

51.6404, 0.2350, 0.3006



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 51.6404, 0.2350, 0.3006 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(96, 205, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 205, 226) }
```

Border

The CSS property to change the border of an element to Yxy 51.6404, 0.2350, 0.3006 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, 226) }
```

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

```
.border{ border-color:rgb(96, 205, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 205, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 205, 226);  
box-shadow:4px 4px 4px 4px rgb(96, 205,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6404, 0.2350, 0.3006 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, 226) }
```

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

```
.background{ background-color: rgb(96, 205,  
226) }
```

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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