

Converting Colors

$Yxy(59.4857, 0.2405, 0.3208)$

Have a look what the booklet for
Yxy(59.4857, 0.2405, 0.3208)
contains.

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Color

Yxy(59.3300, 0.2405, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	63DCE2
RGB	99, 220, 226
RGB Percent	39%, 86%, 89%
CMY	0.6124, 0.1372, 0.1138
CMYK	0.56, 0.03, 0.00, 0.11
HSL	183°, 69%, 64%
HSV	183°, 56%, 89%
XYZ	44.4513, 59.3300, 81.0474
YIQ	184.5050, -74.0420, -23.7860

Conversions

Conversions Part 2

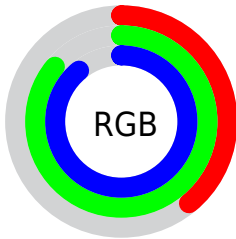
Format	Color
R _Y B	99, 161, 226
Decimal	6544610
CIE Lab	81.47, -32.03, -13.20
CIE LCh	81, 34.646, 202.393
Yxy	59.3300, 0.2405, 0.3210
Android (android.graphics.Color)	4284734690 (0xFF63DCE2)
YUV	184.5050, 20.4570, -74.9879
Hunter-Lab	77.0260, -31.7840, -8.4673

Details

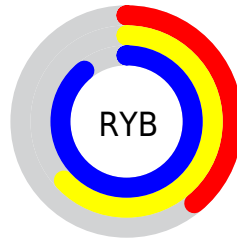
The Yxy color **59.3300, 0.2405, 0.3210** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.1279, 0.4786, 0.3360**, and the grayscale version is **48.1212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **29.9697, 0.2233, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **57.6804, 0.2328, 0.3194**, and if you desaturate by 10%, it is **61.3434, 0.2500, 0.3226**.

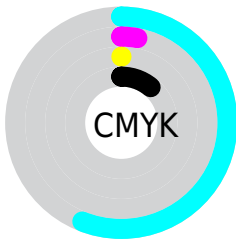
Distribution



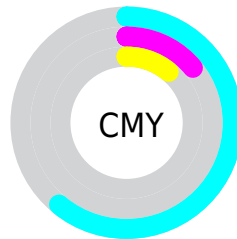
- Red (39%)
- Green (86%)
- Blue (89%)



- Red (39%)
- Yellow (63%)
- Blue (89%)



- Cyan (56%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)




- Cyan (61%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3300, 0.2405, 0.3210 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 59.3300, 0.2405, 0.3210 by changing the saturation by 10% instead.


 59.3300, 0.2405,
0.3210


 59.3300, 0.2405,
0.3210


422.1237, 0.2743,
0.3258


 42.8788, 0.2328,
0.3196


 103.8571, 0.2523,
0.3229

 29.7901, 0.2232,
0.3178


 132.7019, 0.2568,
0.3235

 19.6793, 0.2111,
0.3152


 166.4466, 0.2607,
0.3241

 12.1621, 0.1953,
0.3113

 205.4757, 0.2641,
0.3245

 6.8542, 0.1741,
0.3053

250.1736, 0.2671,
0.3249

 3.3711, 0.1444,
0.2949

300.9246, 0.2698,

 1.3284, 0.0890,

0.3253

0.2781

358.1132, 0.2721,
0.3255

0.1630, 0.0000,
0.1284

0.0000, 0.0000,
0.0000

59.3300, 0.2405,
0.3210

59.3300, 0.2405,
0.3210

57.6804, 0.2328,
0.3194

61.3434, 0.2500,
0.3226

56.3574, 0.2271,
0.3178


63.7410, 0.2613,
0.3241

55.3274, 0.2233,
0.3162

66.5494, 0.2741,
0.3256

54.5459, 0.2212,
0.3147


69.7910, 0.2881,
0.3270


 54.2888, 0.2206,
0.3141

 73.4867, 0.3030,
0.3282

 77.6558, 0.3186,
0.3294

 81.9287, 0.3330,
0.3305

 82.5116, 0.3329,
0.3316

 83.0980, 0.3328,
0.3326

Harmonies

Analogous

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



59.3300, 0.2688, 0.3652



59.3300, 0.2405, 0.3210



59.3300, 0.2307, 0.2834

Triad

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



59.3300, 0.2405, 0.3210



59.3300, 0.3104, 0.2701



59.3300, 0.3881, 0.3952

Complementary

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



59.3300, 0.2405, 0.3210



27.1279, 0.4786, 0.3360

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.



59.3300, 0.4021, 0.3651



59.3300, 0.2405, 0.3210



59.3300, 0.3556, 0.2955

Square

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



59.3300, 0.2405, 0.3210



59.3300, 0.2687, 0.2577



59.3300, 0.3902, 0.3293



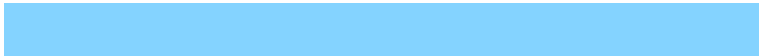
59.3300, 0.3538, 0.4097

Rectangle

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



59.3300, 0.2405, 0.3210



59.3300, 0.2352, 0.2669



59.3300, 0.3902, 0.3293



59.3300, 0.3954, 0.3864

Sweetspot

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



59.3323, 0.2405, 0.3210



91.3952, 0.2869, 0.3268



58.0086, 0.3024, 0.5044



19.3698, 0.2840, 0.3266



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.



59.3323, 0.2405, 0.3210



75.4381, 0.2314, 0.3191



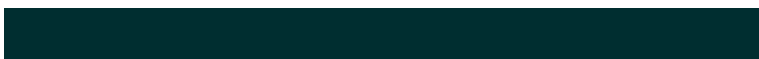
32.6482, 0.2217, 0.2326



15.4564, 0.2982, 0.3278



31.0275, 0.2207, 0.3144



2.1851, 0.2213, 0.3168

Inverse Universe

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



30.2292, 0.3250, 0.2016



33.9418, 0.3276, 0.1823



44.5743, 0.4313, 0.4059



13.9240, 0.3145, 0.3070



12.0403, 0.3330, 0.1608



0.8380, 0.3309, 0.1597

Previews

White Background



This preview shows how the Yxy color 59.3300, 0.2405, 0.3210 looks on a white background.

Color Contrast Check

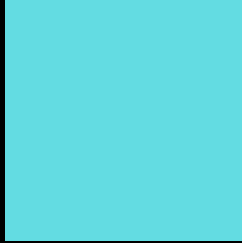
Large Text (above 18pt) WCAG AA × Fail

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 59.3300, 0.2405, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

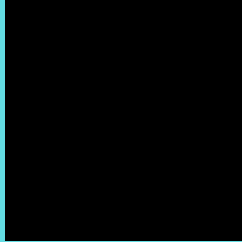
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.3300, 0.2405, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 59.3300, 0.2405, 0.3210.

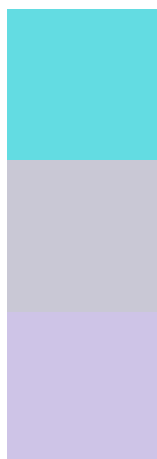


This preview shows how white text looks on a background with the Yxy color 59.3300, 0.2405, 0.3210.

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

59.3300, 0.2405, 0.3210

Protanopia

58.5302, 0.3042, 0.3138

Deuteranopia

58.3712, 0.2956, 0.2894



Tritanopia

59.0825, 0.2370, 0.3058

Trichromacy



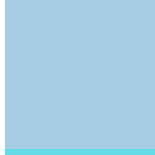
Original Color

59.3300, 0.2405, 0.3210



Protanomaly

57.5801, 0.2753, 0.3152



Deuteranomaly

57.5353, 0.2704, 0.2998



Tritanomaly

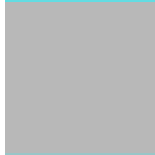
59.2559, 0.2383, 0.3120

Monochromacy



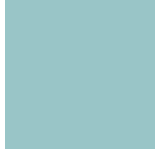
Original Color

59.3300, 0.2405, 0.3210



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

50.8283, 0.2786, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3300, 0.2405, 0.3210 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(99, 220, 226)` looks like.

```
.text, #text, p{  
    color:rgb(99, 220, 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(99, 220, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 220, 226) }
```

Border

The CSS property to change the border of an element to Yxy 59.3300, 0.2405, 0.3210 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(99, 220, 226) }
```

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

```
.border{ border-color:rgb(99, 220, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 220, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 220, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 220, 226);  
box-shadow:4px 4px 4px 4px rgb(99, 220,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3300, 0.2405, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 220, 226) }
```

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

```
.background{ background-color: rgb(99, 220,  
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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