

Converting Colors

$Yxy(59.2247, 0.2361, 0.2973)$

Have a look what the booklet for
Yxy(59.2247, 0.2361, 0.2973)
contains.

| | |
|---|----|
| Yxy(59.2247, 0.2361, 0.2973) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(59.2247, 0.2361, 0.2973)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6CD9F2 |
| RGB | 108, 217, 242 |
| RGB Percent | 42%, 85%, 95% |
| CMY | 0.5760, 0.1491, 0.0510 |
| CMYK | 0.55, 0.10, 0.00, 0.05 |
| HSL | 191°, 84%, 69% |
| HSV | 191°, 55%, 95% |
| XYZ | 47.0331, 59.2247, 92.9507 |
| YIQ | 187.2590, -72.9890, -15.3330 |

Conversions

Conversions Part 2

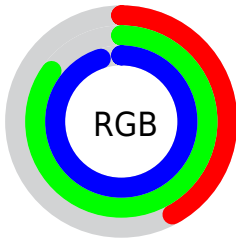
| Format | Color |
|-------------------------------------|---|
| RYB | 108, 168, 242 |
| Decimal | 7133682 |
| CIELab | 81.41, -24.41, -21.77 |
| CIElCh | 81, 32.708, 221.726 |
| Yxy | 59.2247, 0.2361, 0.2973 |
| Android (android.graphics.Color) | 4285323762 (0xFF6CD9F2) |
| YUV | 187.2590, 26.9873, -69.5101 |
| Hunter-Lab | 76.9576, -25.5843, -17.7412 |

Details

The Yxy color **59.2247, 0.2361, 0.2973** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.7687, 0.4621, 0.3559**, and the grayscale version is **49.7400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **29.7609, 0.2180, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **55.6145, 0.2264, 0.2906**, and if you desaturate by 10%, it is **63.3242, 0.2475, 0.3038**.

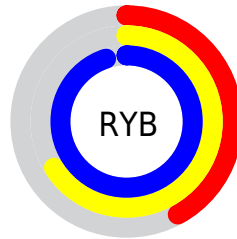
Distribution



Red (42%)

Green (85%)

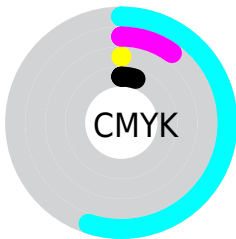
Blue (95%)



Red (42%)

Yellow (66%)

Blue (95%)

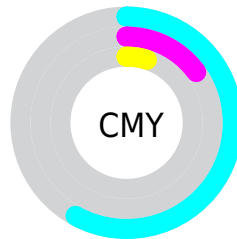


Cyan (55%)

Magenta (10%)

Yellow (0%)

Black (5%)



Cyan (58%)


Magenta (15%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.2247, 0.2361, 0.2973 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 59.2247, 0.2361, 0.2973 by changing the saturation by 10% instead.


 59.2247, 0.2361,
0.2973


 59.2247, 0.2361,
0.2973


421.7341, 0.2717,
0.3134

 42.7940, 0.2280,
0.2933


 103.7042, 0.2484,
0.3032

 29.7235, 0.2181,
0.2882


 132.5218, 0.2532,
0.3053

 19.6288, 0.2056,
0.2815


 166.2371, 0.2574,
0.3072

 12.1255, 0.1895,
0.2723

205.2346, 0.2610,
0.3088

 6.8292, 0.1681,
0.2591

249.8987, 0.2641,
0.3102

 3.3555, 0.1388,
0.2389

300.6137, 0.2669,

 1.3200, 0.0945,

0.3114

0.2061

357.7640, 0.2694,
0.3124

0.1566, 0.0000,
0.0765

0.0000, 0.0000,
0.0000

59.2247, 0.2361,
0.2973

59.2247, 0.2361,
0.2973

55.6145, 0.2264,
0.2906

63.3242, 0.2475,
0.3038

52.4508, 0.2186,
0.2837


67.9387, 0.2604,
0.3101


49.6935, 0.2128,
0.2769


73.0993, 0.2744,
0.3160


47.2909, 0.2089,
0.2701


78.8331, 0.2892,
0.3215


 46.2521, 0.2075,
0.2670

 85.1647, 0.3045,
0.3265

 92.1175, 0.3200,
0.3311

 95.1911, 0.3207,
0.3354

 98.0131, 0.3204,
0.3397

 99.1904, 0.3203,
0.3415

Harmonies

Analogous

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



59.2247, 0.2520, 0.3364



59.2247, 0.2361, 0.2973



59.2247, 0.2389, 0.2707

Triad

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



59.2247, 0.2361, 0.2973



59.2247, 0.3385, 0.2875



59.2247, 0.3649, 0.4027

Complementary

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



59.2247, 0.2361, 0.2973



36.7687, 0.4621, 0.3559

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.



59.2247, 0.3913, 0.3829



59.2247, 0.2361, 0.2973



59.2247, 0.3762, 0.3175

Square

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



59.2247, 0.2361, 0.2973



59.2247, 0.2956, 0.2672



59.2247, 0.3959, 0.3516



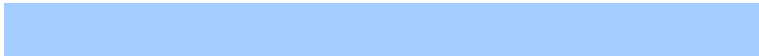
59.2247, 0.3254, 0.4016

Rectangle

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



59.2247, 0.2361, 0.2973



59.2247, 0.2510, 0.2622



59.2247, 0.3959, 0.3516



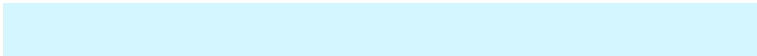
59.2247, 0.3756, 0.3980

Sweetspot

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



59.2269, 0.2361, 0.2973



87.6280, 0.2866, 0.3206



68.3798, 0.2936, 0.4762



18.4711, 0.2835, 0.3195



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.



59.2269, 0.2361, 0.2973



62.3118, 0.2257, 0.2900



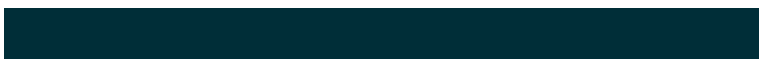
31.5818, 0.2169, 0.2062



17.3977, 0.2981, 0.3245



25.0376, 0.2078, 0.2681



2.2112, 0.2103, 0.2770

Inverse Universe

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



34.6349, 0.3437, 0.2184



33.3864, 0.3516, 0.2023



61.0842, 0.4164, 0.4247



15.9778, 0.3166, 0.3100



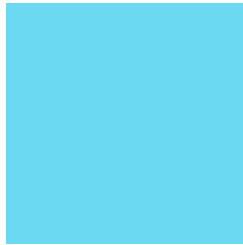
12.3209, 0.3746, 0.1837



1.0379, 0.3662, 0.1791

Previews

White Background



This preview shows how the Yxy color 59.2247, 0.2361, 0.2973 looks on a white background.

Color Contrast Check

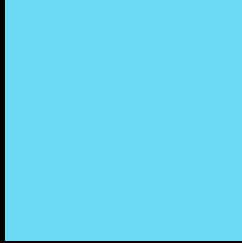
Large Text (above 18pt) WCAG AA × Fail

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 59.2247, 0.2361, 0.2973 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 59.2247, 0.2361, 0.2973

Background



This preview shows how black text looks on a background with the Yxy color 59.2247, 0.2361, 0.2973.

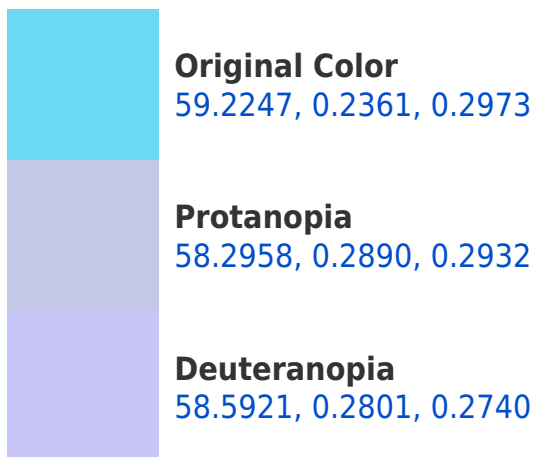


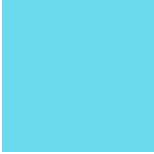
This preview shows how white text looks on a background with the Yxy color 59.2247, 0.2361, 0.2973.

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





Tritanopia

59.2631, 0.2382, 0.3058

Trichromacy



Original Color

59.2247, 0.2361, 0.2973

Protanomaly

57.9756, 0.2658, 0.2951

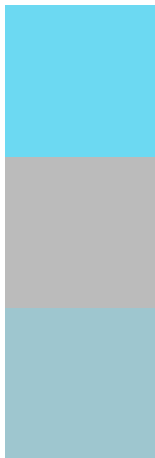
Deuteranomaly

57.7776, 0.2600, 0.2804

Tritanomaly

59.4417, 0.2377, 0.3034

Monochromacy



Original Color

59.2247, 0.2361, 0.2973

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

52.1623, 0.2771, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2247, 0.2361, 0.2973 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(108, 217, 242)` looks like.

```
.text, #text, p{  
    color:rgb(108, 217, 242)  
}
```

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(108, 217, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 217, 242) }
```

Border

The CSS property to change the border of an element to Yxy 59.2247, 0.2361, 0.2973 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(108, 217, 242) }
```

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

```
.border{ border-color:rgb(108, 217, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 217, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 217, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 217, 242);  
box-shadow:4px 4px 4px 4px rgb(108, 217,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2247, 0.2361, 0.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 217, 242) }
```

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

```
.background{ background-color: rgb(108,  
217, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor