

Converting Colors

$Y_{xy}(59.7492, 0.2275, 0.3002)$

Have a look what the booklet for
Yxy(59.7492, 0.2275, 0.3002)
contains.

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Color

Yxy(59.8894, 0.2276, 0.3007)

Conversions

Conversions Part 1

Format	Color
Hex	50DDF3
RGB	80, 221, 243
RGB Percent	31%, 87%, 95%
CMY	0.6868, 0.1333, 0.0471
CMYK	0.67, 0.09, 0.00, 0.05
HSL	188°, 87%, 63%
HSV	188°, 67%, 95%
XYZ	45.3303, 59.8894, 93.9469
YIQ	181.3490, -91.0980, -23.0500

Conversions

Conversions Part 2

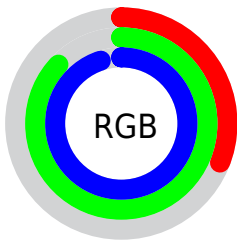
Format	Color
R _Y B	80, 156, 243
Decimal	5299699
CIE Lab	81.78, -30.81, -21.82
CIE LCh	82, 37.752, 215.307
Yxy	59.8894, 0.2276, 0.3007
Android (android.graphics.Color)	4283489779 (0xFF50DDF3)
YUV	181.3490, 30.3939, -88.8831
Hunter-Lab	77.3882, -30.8727, -17.8044

Details

The Yxy color **59.8894, 0.2276, 0.3007** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.0958, 0.5188, 0.3500**, and the grayscale version is **46.2569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **30.8603, 0.2148, 0.2932** is the 20% darker color. If you saturate the color by 10%, you get **57.3095, 0.2209, 0.2959**, and if you desaturate by 10%, it is **62.8893, 0.2362, 0.3055**.

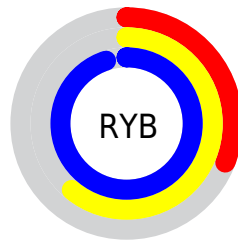
Distribution



Red (31%)

Green (87%)

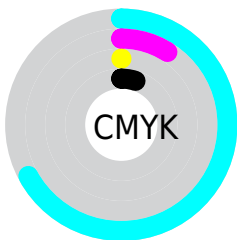
Blue (95%)



Red (31%)

Yellow (61%)

Blue (95%)

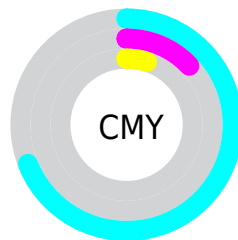


Cyan (67%)

Magenta (9%)

Yellow (0%)

Black (5%)



Cyan (69%)


Magenta (13%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8894, 0.2276, 0.3007 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 59.8894, 0.2276, 0.3007 by changing the saturation by 10% instead.


 59.8894, 0.2276,
0.3007

 59.8894, 0.2276,
0.3007

424.1900, 0.2669,
0.3154

 43.3295, 0.2188,
0.2969


 104.6692, 0.2411,
0.3061

 30.1437, 0.2079,
0.2921


 133.6579, 0.2464,
0.3082

 19.9477, 0.1944,
0.2857


 167.5583, 0.2510,
0.3099

 12.3570, 0.1771,
0.2769

 206.7548, 0.2550,
0.3113

 6.9873, 0.1543,
0.2640

251.6319, 0.2585,
0.3126

 3.4542, 0.1237,
0.2441

302.5738, 0.2616,

 1.3732, 0.0753,

0.3136

359.9651, 0.2644,
0.3146

0.2122

0.1968, 0.0000,
0.0910

0.0000, 0.0000,
0.0000

59.8894, 0.2276,
0.3007

59.8894, 0.2276,
0.3007

57.3095, 0.2209,
0.2959

62.8893, 0.2362,
0.3055

55.0994, 0.2162,
0.2911


66.3398, 0.2467,
0.3101


53.2048, 0.2132,
0.2864


70.2760, 0.2587,
0.3146

52.6945, 0.2125,
0.2851


74.7274, 0.2721,
0.3189

 79.7213, 0.2865,
0.3229

 85.2828, 0.3017,
0.3266

 91.4353, 0.3172,
0.3299

 94.3665, 0.3203,
0.3331

 96.3870, 0.3200,
0.3362

Harmonies

Analogous

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



59.8894, 0.2497, 0.3477



59.8894, 0.2276, 0.3007



59.8894, 0.2263, 0.2670

Triad

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



59.8894, 0.2276, 0.3007



59.8894, 0.3315, 0.2758



59.8894, 0.3803, 0.4102

Complementary

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



59.8894, 0.2276, 0.3007



29.0958, 0.5188, 0.3500

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.



59.8894, 0.4064, 0.3829



59.8894, 0.2276, 0.3007



59.8894, 0.3778, 0.3076

Square

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



59.8894, 0.2276, 0.3007



59.8894, 0.2830, 0.2559



59.8894, 0.4060, 0.3457



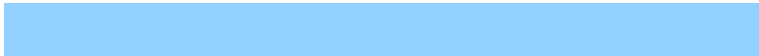
59.8894, 0.3370, 0.4159

Rectangle

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



59.8894, 0.2276, 0.3007



59.8894, 0.2370, 0.2549



59.8894, 0.4060, 0.3457



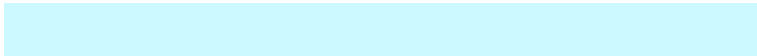
59.8894, 0.3914, 0.4029

Sweetspot

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



59.8916, 0.2276, 0.3007



87.2744, 0.2822, 0.3217



66.7396, 0.2951, 0.5221



18.3417, 0.2782, 0.3206



0.0000, 0.0000, 0.0000



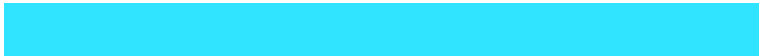
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.8916, 0.2276, 0.3007



62.9025, 0.2188, 0.2939



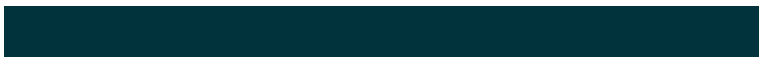
26.8293, 0.1999, 0.1862



18.3549, 0.2981, 0.3257



29.0721, 0.2127, 0.2858



2.6583, 0.2144, 0.2917

Inverse Universe

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



29.9893, 0.3427, 0.1944



28.9675, 0.3499, 0.1804



53.5648, 0.4468, 0.4323



16.7277, 0.3159, 0.3088



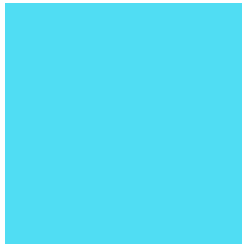
13.0342, 0.3581, 0.1747



1.1560, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 59.8894, 0.2276, 0.3007 looks on a white background.

Color Contrast Check

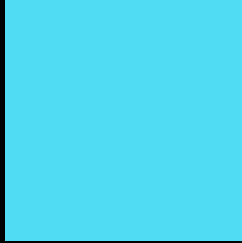
Large Text (above 18pt) WCAG AA × Fail

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 59.8894, 0.2276, 0.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

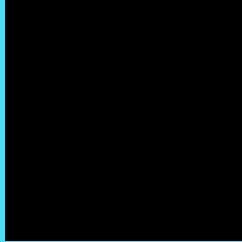
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.8894, 0.2276, 0.3007

Background



This preview shows how black text looks on a background with the Yxy color 59.8894, 0.2276, 0.3007.



This preview shows how white text looks on a background with the Yxy color 59.8894, 0.2276, 0.3007.

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

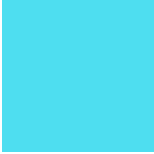
59.8894, 0.2276, 0.3007

Protanopia

58.8360, 0.2904, 0.2955

Deuteranopia

59.1712, 0.2789, 0.2731



Tritanopia

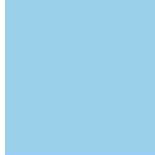
60.1535, 0.2286, 0.3056

Trichromacy



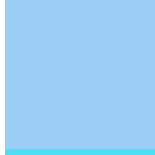
Original Color

59.8894, 0.2276, 0.3007



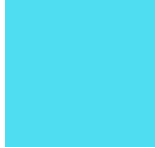
Protanomaly

57.9223, 0.2602, 0.2970



Deuteranomaly

57.7650, 0.2540, 0.2810



Tritanomaly

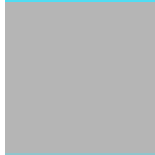
60.2557, 0.2285, 0.3044

Monochromacy



Original Color

59.8894, 0.2276, 0.3007



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.7688, 0.2694, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8894, 0.2276, 0.3007 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(80, 221, 243)` looks like.

```
.text, #text, p{  
    color:rgb(80, 221, 243)  
}
```

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(80, 221, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 221, 243) }
```

Border

The CSS property to change the border of an element to Yxy 59.8894, 0.2276, 0.3007 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(80, 221, 243) }
```

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

```
.border{ border-color:rgb(80, 221, 243) }
```

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

Here you see how a box with a 4 pixel rgb(80, 221, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 221, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 221, 243);  
box-shadow:4px 4px 4px 4px rgb(80, 221,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8894, 0.2276, 0.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 221, 243) }
```

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

```
.background{ background-color: rgb(80, 221,  
243) }
```

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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