

Converting Colors

$Yxy(58.7933, 0.2290, 0.3017)$

Have a look what the booklet for
Yxy(58.7933, 0.2290, 0.3017)
contains.

Yxy(58.7933, 0.2290, 0.3017)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.7933, 0.2290, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	53DBF0
RGB	83, 219, 240
RGB Percent	33%, 86%, 94%
CMY	0.6747, 0.1412, 0.0587
CMYK	0.65, 0.09, 0.00, 0.06
HSL	188°, 84%, 63%
HSV	188°, 65%, 94%
XYZ	44.6260, 58.7933, 91.4541
YIQ	180.7300, -87.7970, -22.3010

Conversions

Conversions Part 2

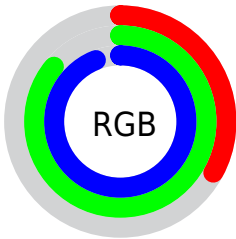
Format	Color
R _Y B	83, 156, 240
Decimal	5495792
CIE Lab	81.18, -30.25, -21.15
CIE LCh	81, 36.917, 214.962
Yxy	58.7933, 0.2290, 0.3017
Android (android.graphics.Color)	4283685872 (0xFF53DBF0)
YUV	180.7300, 29.2201, -85.7092
Hunter-Lab	76.6768, -30.2971, -17.0427

Details

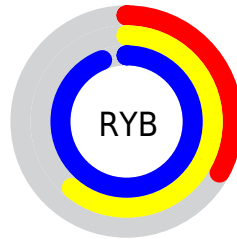
The Yxy color **58.7933, 0.2290, 0.3017** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.0482, 0.5112, 0.3498**, and the grayscale version is **45.9243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **30.0116, 0.2151, 0.2945** is the 20% darker color. If you saturate the color by 10%, you get **56.2270, 0.2220, 0.2969**, and if you desaturate by 10%, it is **61.7740, 0.2379, 0.3064**.

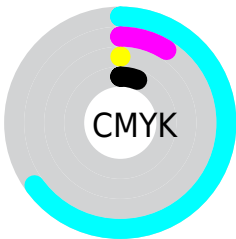
Distribution



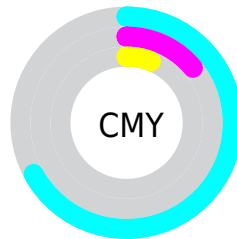
- Red (33%)
- Green (86%)
- Blue (94%)



- Red (33%)
- Yellow (61%)
- Blue (94%)



- Cyan (65%)
- Magenta (9%)
- Yellow (0%)
- Black (6%)





- Cyan (67%)
- Magenta (14%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7933, 0.2290, 0.3017 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 58.7933, 0.2290, 0.3017 by changing the saturation by 10% instead.


 58.7933, 0.2290,
0.3017


 58.7933, 0.2290,
0.3017

420.1355, 0.2678,
0.3160


 42.4467, 0.2202,
0.2980


 103.0772, 0.2424,
0.3070


 29.4513, 0.2094,
0.2933

 131.7833, 0.2476,
0.3089

 19.4225, 0.1959,
0.2871


 165.3781, 0.2522,
0.3106

 11.9759, 0.1786,
0.2784

 204.2459, 0.2561,
0.3120

 6.7273, 0.1557,
0.2656

248.7712, 0.2595,
0.3132

 3.2921, 0.1247,
0.2458

299.3382, 0.2626,

 1.2861, 0.0729,

0.3142

0.2141

356.3316, 0.2653,
0.3152

■ 0.1304, 0.0000,
0.0682

■ 0.0000, 0.0000,
0.0000

■ 58.7933, 0.2290,
0.3017

■ 58.7933, 0.2290,
0.3017

■ 56.2270, 0.2220,
0.2969

■ 61.7740, 0.2379,
0.3064

■ 54.0273, 0.2169,
0.2922

■ 65.1977, 0.2487,
0.3110

■ 52.1459, 0.2137,
0.2875

■ 69.0979, 0.2610,
0.3155

■ 51.3583, 0.2126,
0.2854

■ 73.5029, 0.2745,
0.3196

■ 78.4388, 0.2891,
0.3236

■ 83.9295, 0.3043,
0.3272

■ 89.9976, 0.3198,
0.3305

■ 92.6782, 0.3223,
0.3336

■ 94.6356, 0.3220,
0.3367

Harmonies

Analogous

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



58.7933, 0.2510, 0.3480



58.7933, 0.2290, 0.3017



58.7933, 0.2275, 0.2683

Triad

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



58.7933, 0.2290, 0.3017



58.7933, 0.3307, 0.2763



58.7933, 0.3797, 0.4087

Complementary

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



58.7933, 0.2290, 0.3017



29.0482, 0.5112, 0.3498

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.



58.7933, 0.4050, 0.3818



58.7933, 0.2290, 0.3017



58.7933, 0.3763, 0.3076

Square

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



58.7933, 0.2290, 0.3017



58.7933, 0.2830, 0.2568



58.7933, 0.4043, 0.3451



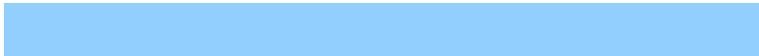
58.7933, 0.3372, 0.4145

Rectangle

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



58.7933, 0.2290, 0.3017



58.7933, 0.2379, 0.2562



58.7933, 0.4043, 0.3451



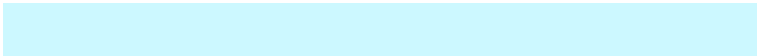
58.7933, 0.3906, 0.4015

Sweetspot

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



58.7955, 0.2290, 0.3017



87.2998, 0.2822, 0.3218



65.1699, 0.2952, 0.5169



18.3479, 0.2782, 0.3207



0.0000, 0.0000, 0.0000



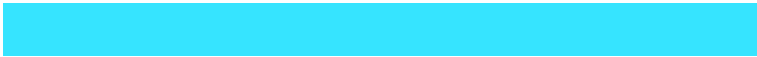
21.4041, 0.3127, 0.3290

Same Dimension

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



58.7955, 0.2290, 0.3017



63.5011, 0.2198, 0.2951



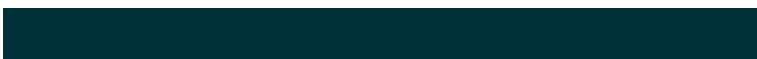
27.0450, 0.2025, 0.1905



17.5470, 0.2981, 0.3258



28.2504, 0.2128, 0.2861



2.4492, 0.2145, 0.2923

Inverse Universe

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



29.8233, 0.3416, 0.1966



29.4603, 0.3488, 0.1817



52.7865, 0.4430, 0.4305



15.9929, 0.3158, 0.3088



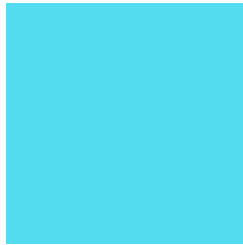
12.6452, 0.3579, 0.1745



1.0620, 0.3523, 0.1714

Previews

White Background



This preview shows how the Yxy color 58.7933, 0.2290, 0.3017 looks on a white background.

Color Contrast Check

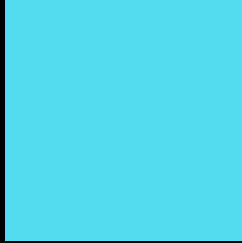
Large Text (above 18pt) WCAG AA × Fail

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 58.7933, 0.2290, 0.3017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

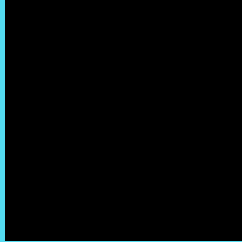
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.7933, 0.2290, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 58.7933, 0.2290, 0.3017.



This preview shows how white text looks on a background with the Yxy color 58.7933, 0.2290, 0.3017.

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

58.7933, 0.2290, 0.3017

Protanopia

58.1287, 0.2910, 0.2965

Deuteranopia

57.9427, 0.2799, 0.2738



Tritanopia

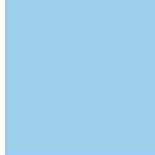
58.5268, 0.2297, 0.3054

Trichromacy



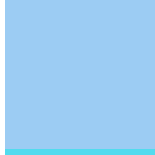
Original Color

58.7933, 0.2290, 0.3017



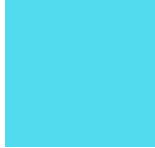
Protanomaly

56.9374, 0.2615, 0.2969



Deuteranomaly

56.7247, 0.2558, 0.2819



Tritanomaly

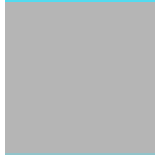
58.6299, 0.2295, 0.3042

Monochromacy



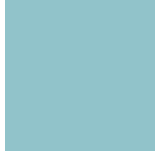
Original Color

58.7933, 0.2290, 0.3017



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.3142, 0.2711, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7933, 0.2290, 0.3017 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(83, 219, 240)` looks like.

```
.text, #text, p{  
    color:rgb(83, 219, 240)  
}
```

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(83, 219, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 219, 240) }
```

Border

The CSS property to change the border of an element to Yxy 58.7933, 0.2290, 0.3017 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(83, 219, 240) }
```

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

```
.border{ border-color:rgb(83, 219, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 219, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 219, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 219, 240);  
box-shadow:4px 4px 4px 4px rgb(83, 219,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7933, 0.2290, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 219, 240) }
```

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

```
.background{ background-color: rgb(83, 219,  
240) }
```

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