

Converting Colors

$Y_{xy}(50.7550, 0.2311, 0.2977)$

Have a look what the booklet for
Yxy(50.7550, 0.2311, 0.2977)
contains.

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Color

Yxy(50.7580, 0.2310, 0.2976)

Conversions

Conversions Part 1

Format	Color
Hex	57CCE3
RGB	87, 204, 227
RGB Percent	34%, 80%, 89%
CMY	0.6583, 0.2000, 0.1098
CMYK	0.62, 0.10, 0.00, 0.11
HSL	190°, 71%, 62%
HSV	190°, 62%, 89%
XYZ	39.3989, 50.7580, 80.4009
YIQ	171.6390, -77.1150, -17.6510

Conversions

Conversions Part 2

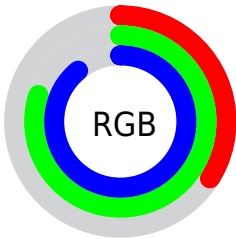
Format	Color
R _Y B	87, 151, 227
Decimal	5754083
CIE Lab	76.53, -26.04, -21.23
CIE LCh	77, 33.598, 219.197
Yxy	50.7580, 0.2310, 0.2976
Android (android.graphics.Color)	4283944163 (0xFF57CCE3)
YUV	171.6390, 27.2930, -74.2284
Hunter-Lab	71.2446, -25.9662, -17.0386

Details

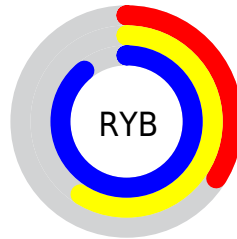
The Yxy color **50.7580, 0.2310, 0.2976** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.2105, 0.4897, 0.3542**, and the grayscale version is **40.9710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **24.7913, 0.2134, 0.2883** is the 20% darker color. If you saturate the color by 10%, you get **48.0767, 0.2228, 0.2917**, and if you desaturate by 10%, it is **53.8293, 0.2411, 0.3034**.

Distribution



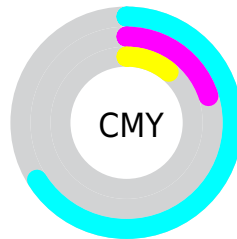
- Red (34%)
- Green (80%)
- Blue (89%)



- Red (34%)
- Yellow (59%)
- Blue (89%)



- Cyan (62%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)



- Cyan (66%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7580, 0.2310, 0.2976 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 50.7580, 0.2310, 0.2976 by changing the saturation by 10% instead.


 50.7580, 0.2310,
0.2976


 50.7580, 0.2310,
0.2976


389.6228, 0.2699,
0.3141


 36.0160, 0.2219,
0.2933


 91.2970, 0.2447,
0.3037

 24.4466, 0.2107,
0.2878


 117.8628, 0.2499,
0.3060

 15.6652, 0.1964,
0.2803


 149.1386, 0.2544,
0.3079

 9.2876, 0.1777,
0.2698

 185.5090, 0.2583,
0.3095

 4.9292, 0.1525,
0.2541

227.3581, 0.2618,
0.3109

 2.2058, 0.1176,
0.2291

275.0706, 0.2648,

 0.7232, 0.0139,

0.3121

0.1940

329.0307, 0.2675,
0.3132

0.0000, 0.0000,
0.0000

50.7580, 0.2310,
0.2976

50.7580, 0.2310,
0.2976

48.0767, 0.2228,
0.2917

53.8293, 0.2411,
0.3034

45.7460, 0.2165,
0.2857

57.3144, 0.2528,
0.3090

43.7275, 0.2122,
0.2798

61.2414, 0.2658,
0.3144

42.2198, 0.2097,
0.2749

65.6343, 0.2800,
0.3194

70.5153, 0.2949,
0.3241

■ 75.9050, 0.3102,
0.3284

■ 81.8227, 0.3257,
0.3322

■ 85.5849, 0.3316,
0.3359

■ 87.7337, 0.3311,
0.3395

Harmonies

Analogous

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



50.7580, 0.2496, 0.3407



50.7580, 0.2310, 0.2976



50.7580, 0.2323, 0.2678

Triad

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



50.7580, 0.2310, 0.2976



50.7580, 0.3366, 0.2821



50.7580, 0.3719, 0.4075

Complementary

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



50.7580, 0.2310, 0.2976



28.2105, 0.4897, 0.3542

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.



50.7580, 0.3990, 0.3843



50.7580, 0.2310, 0.2976



50.7580, 0.3786, 0.3134

Square

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



50.7580, 0.2310, 0.2976



50.7580, 0.2904, 0.2615



50.7580, 0.4020, 0.3498



50.7580, 0.3300, 0.4091

Rectangle

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



50.7580, 0.2310, 0.2976



50.7580, 0.2442, 0.2578



50.7580, 0.4020, 0.3498



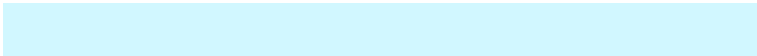
50.7580, 0.3831, 0.4017

Sweetspot

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



50.7599, 0.2310, 0.2976



87.5838, 0.2851, 0.3211



58.0627, 0.2947, 0.5013



18.3603, 0.2808, 0.3197



0.0000, 0.0000, 0.0000



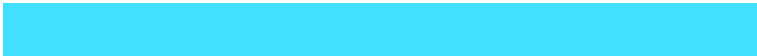
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7599, 0.2310, 0.2976



61.6675, 0.2208, 0.2900



25.2151, 0.2081, 0.1970



15.9112, 0.2981, 0.3250



24.7669, 0.2100, 0.2758



1.9382, 0.2123, 0.2844

Inverse Universe

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



27.5311, 0.3445, 0.2062



30.5701, 0.3527, 0.1903



48.8865, 0.4324, 0.4284



14.5723, 0.3163, 0.3096



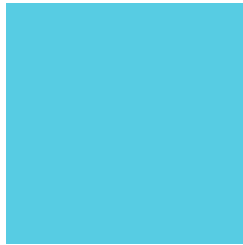
11.6979, 0.3673, 0.1797



0.8753, 0.3594, 0.1754

Previews

White Background



This preview shows how the Yxy color 50.7580, 0.2310, 0.2976 looks on a white background.

Color Contrast Check

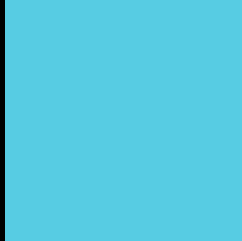
Large Text (above 18pt) WCAG AA × Fail

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 50.7580, 0.2310, 0.2976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

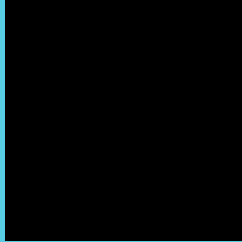
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7580, 0.2310, 0.2976

Background



This preview shows how black text looks on a background with the Yxy color 50.7580, 0.2310, 0.2976.



This preview shows how white text looks on a background with the Yxy color 50.7580, 0.2310, 0.2976.

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

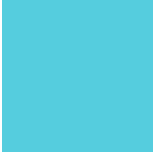
50.7580, 0.2310, 0.2976

Protanopia

50.0914, 0.2889, 0.2933

Deuteranopia

50.1178, 0.2780, 0.2727



Tritanopia

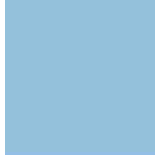
50.8679, 0.2328, 0.3055

Trichromacy



Original Color

50.7580, 0.2310, 0.2976



Protanomaly

49.5503, 0.2625, 0.2952



Deuteranomaly

49.2707, 0.2558, 0.2793



Tritanomaly

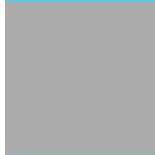
51.0229, 0.2323, 0.3029

Monochromacy



Original Color

50.7580, 0.2310, 0.2976



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.7495, 0.2733, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7580, 0.2310, 0.2976 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(87, 204, 227)` looks like.

```
.text, #text, p{  
    color:rgb(87, 204, 227)  
}
```

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(87, 204, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 204, 227) }
```

Border

The CSS property to change the border of an element to Yxy 50.7580, 0.2310, 0.2976 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(87, 204, 227) }
```

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

```
.border{ border-color:rgb(87, 204, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 204, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 204, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 204, 227);  
box-shadow:4px 4px 4px 4px rgb(87, 204,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7580, 0.2310, 0.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 204, 227) }
```

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

```
.background{ background-color: rgb(87, 204,  
227) }
```

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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