

Converting Colors

$Y_{xy}(25.0703, 0.2017, 0.2235)$

Have a look what the booklet for
Yxy(25.0703, 0.2017, 0.2235)
contains.

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Color

Yxy(25.1575, 0.2017, 0.2237)

Conversions

Conversions Part 1

Format	Color
Hex	2D90D2
RGB	45, 144, 210
RGB Percent	18%, 56%, 82%
CMY	0.8238, 0.4352, 0.1765
CMYK	0.79, 0.31, 0.00, 0.18
HSL	204°, 65%, 50%
HSV	204°, 79%, 82%
XYZ	22.6834, 25.1575, 64.6200
YIQ	121.9230, -80.1900, -0.4620

Conversions

Conversions Part 2

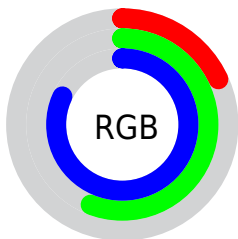
Format	Color
R _{YB}	45, 107, 210
Decimal	2986194
CIE Lab	57.23, -5.50, -41.82
CIE LCh	57, 42.177, 262.509
Yxy	25.1575, 0.2017, 0.2237
Android (android.graphics.Color)	4281176274 (0xFF2D90D2)
YUV	121.9230, 43.4220, -67.4615
Hunter-Lab	50.1573, -7.0495, -41.2761

Details

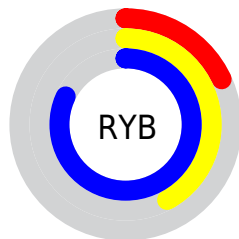
The Yxy color **25.1575, 0.2017, 0.2237** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **25.2334, 0.5147, 0.3969**, and the grayscale version is **19.3048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2530, 0.2281, 0.2580**, and **10.3720, 0.1879, 0.1965** is the 20% darker color. If you saturate the color by 10%, you get **22.3466, 0.1935, 0.2083**, and if you desaturate by 10%, it is **28.3955, 0.2121, 0.2393**.

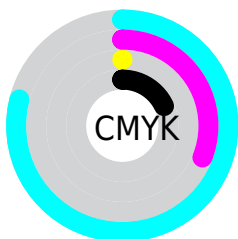
Distribution



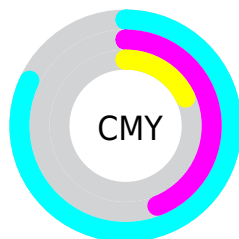
- Red (18%)
- Green (56%)
- Blue (82%)



- Red (18%)
- Yellow (42%)
- Blue (82%)



- Cyan (79%)
- Magenta (31%)
- Yellow (0%)
- Black (18%)



- Cyan (82%)
- Magenta (44%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.1575, 0.2017, 0.2237 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 25.1575, 0.2017, 0.2237 by changing the saturation by 10% instead.

■ 25.1575, 0.2017,
0.2237

■ 25.1575, 0.2017,
0.2237

■ 278.6214, 0.2594,
0.2795

■ 16.1944, 0.1871,
0.2093

■ 51.9126, 0.2229,
0.2444

■ 9.6618, 0.1686,
0.1908

■ 70.4735, 0.2309,
0.2521

■ 5.1753, 0.1445,
0.1664

■ 93.0024, 0.2375,
0.2585

■ 2.3505, 0.1130,
0.1337

■ 119.8837, 0.2432,
0.2640

■ 0.8002, 0.0704,
0.0900

■ 151.5019, 0.2481,
0.2687

■ 0.0000, 0.0000,
0.0000

188.2413, 0.2524,

0.2728

230.4863, 0.2561,
0.2763

■ 25.1575, 0.2017,
0.2237

■ 25.1575, 0.2017,
0.2237

■ 22.3466, 0.1935,
0.2083

■ 28.3955, 0.2121,
0.2393

■ 19.9084, 0.1873,
0.1933

■ 32.0932, 0.2243,
0.2547

■ 19.5883, 0.1865,
0.1913

■ 36.2814, 0.2380,
0.2696

■ 40.9872, 0.2528,
0.2838

■ 46.2348, 0.2682,
0.2970

■ 52.0471, 0.2839,
0.3092

■ 58.4450, 0.2995,
0.3203

■ 65.4483, 0.3148,
0.3303

■ 73.0760, 0.3296,
0.3393

Harmonies

Analogous

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



25.1575, 0.1870, 0.2537



25.1575, 0.2017, 0.2237



25.1575, 0.2429, 0.2201

Triad

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



25.1575, 0.2017, 0.2237



25.1575, 0.4390, 0.3257



25.1575, 0.3046, 0.4485

Complementary

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



25.1575, 0.2017, 0.2237



25.2334, 0.5147, 0.3969

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.



25.1575, 0.3739, 0.4604



25.1575, 0.2017, 0.2237



25.1575, 0.4562, 0.3797

Square

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



25.1575, 0.2017, 0.2237



25.1575, 0.3816, 0.2764



25.1575, 0.4302, 0.4298



25.1575, 0.2412, 0.3886

Rectangle

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



25.1575, 0.2017, 0.2237



25.1575, 0.2839, 0.2304



25.1575, 0.4302, 0.4298



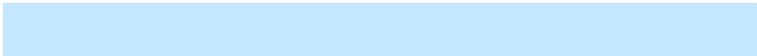
25.1575, 0.3280, 0.4583

Sweetspot

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



25.1583, 0.2017, 0.2237



75.5574, 0.2750, 0.3024



47.7268, 0.2778, 0.4940



15.4938, 0.2693, 0.2979



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.



25.1583, 0.2017, 0.2237



32.1883, 0.1893, 0.1986



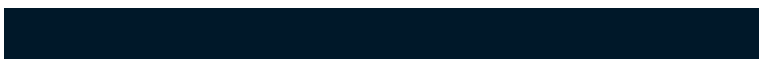
8.8956, 0.1705, 0.1042



12.5811, 0.2983, 0.3195



12.1524, 0.1871, 0.1934



0.8325, 0.1947, 0.2210

Inverse Universe

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



17.5838, 0.4162, 0.2249



24.1202, 0.4464, 0.2258



51.0291, 0.4281, 0.4789



11.9257, 0.3198, 0.3151



9.2981, 0.4528, 0.2268



0.5353, 0.4222, 0.2100

Previews

White Background



This preview shows how the Yxy color 25.1575, 0.2017, 0.2237 looks on a white background.

Color Contrast Check

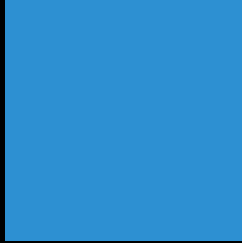
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1575, 0.2017, 0.2237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

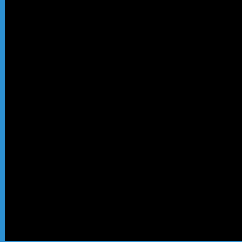
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

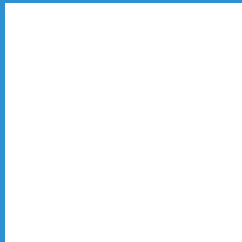
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.1575, 0.2017, 0.2237

Background



This preview shows how black text looks on a background with the Yxy color 25.1575, 0.2017, 0.2237.

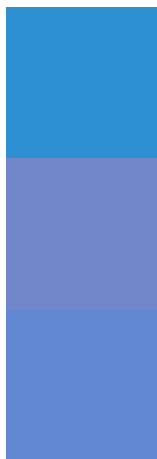


This preview shows how white text looks on a background with the Yxy color 25.1575, 0.2017, 0.2237.

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

25.1575, 0.2017, 0.2237

Protanopia

24.8919, 0.2368, 0.2256

Deuteranopia

24.9585, 0.2209, 0.2144



Tritanopia

25.1368, 0.2184, 0.3062

Trichromacy



Original Color

25.1575, 0.2017, 0.2237

Protanomaly

24.7086, 0.2199, 0.2242

Deuteranomaly

24.8307, 0.2121, 0.2175

Tritanomaly

24.9412, 0.2104, 0.2718

Monochromacy



Original Color

25.1575, 0.2017, 0.2237

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.6780, 0.2535, 0.2844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1575, 0.2017, 0.2237 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(45, 144, 210)` looks like.

```
.text, #text, p{  
  color:rgb(45, 144, 210)  
}
```

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(45, 144, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 144, 210) }
```

Border

The CSS property to change the border of an element to Yxy 25.1575, 0.2017, 0.2237 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(45, 144, 210) }
```

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

```
.border{ border-color:rgb(45, 144, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 144, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 144, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 144, 210);  
box-shadow:4px 4px 4px 4px rgb(45, 144,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1575, 0.2017, 0.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 144, 210) }
```

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

```
.background{ background-color: rgb(45, 144,  
210) }
```

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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