

Converting Colors

$Y_{xy}(25.7470, 0.1891, 0.2009)$

Have a look what the booklet for
Yxy(25.7470, 0.1891, 0.2009)
contains.

Yxy(25.6037, 0.1891, 0.2008)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.6037, 0.1891, 0.2008)

Conversions

Conversions Part 1

Format	Color
Hex	0090E5
RGB	0, 144, 229
RGB Percent	0%, 56%, 90%
CMY	1.0000, 0.4353, 0.1020
CMYK	1.00, 0.37, 0.00, 0.10
HSL	202°, 100%, 45%
HSV	202°, 100%, 90%
XYZ	24.1119, 25.6037, 77.7929
YIQ	110.6340, -113.1090, -4.0930

Conversions

Conversions Part 2

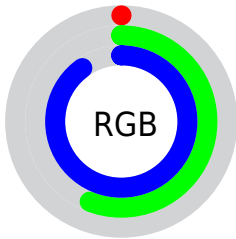
Format	Color
R _{YB}	0, 88, 229
Decimal	37093
CIE _{Lab}	57.66, -0.98, -51.80
CIE _{LCh}	58, 51.807, 268.921
Yxy	25.6037, 0.1891, 0.2008
Android (android.graphics.Color)	4278227173 (0xFF0090E5)
YUV	110.6340, 58.3544, -97.0260
Hunter-Lab	50.6001, -3.4917, -55.7328

Details

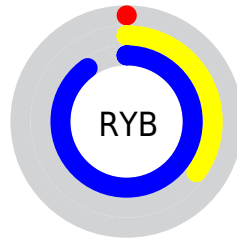
The Yxy color **25.6037, 0.1891, 0.2008** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **23.1505, 0.5800, 0.3776**, and the grayscale version is **15.6395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1558, 0.2237, 0.2559**, and **11.0225, 0.1815, 0.1732** is the 20% darker color. If you saturate the color by 10%, you get **25.6063, 0.1891, 0.2008**, and if you desaturate by 10%, it is **28.4595, 0.1947, 0.2148**.

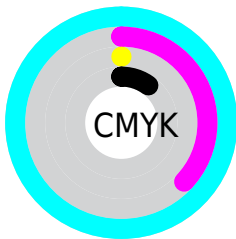
Distribution



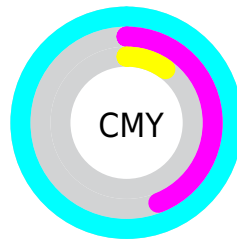
- Red (0%)
- Green (56%)
- Blue (90%)



- Red (0%)
- Yellow (35%)
- Blue (90%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (44%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.6037, 0.1891, 0.2008 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 25.6037, 0.1891, 0.2008 by changing the saturation by 10% instead.

■ 25.6037, 0.1891,
0.2008

■ 25.6037, 0.1891,
0.2008

■ 280.8312, 0.2523,
0.2665

■ 16.5274, 0.1737,
0.1848

■ 52.6349, 0.2119,
0.2246

■ 9.8981, 0.1546,
0.1647

■ 71.3586, 0.2206,
0.2336

■ 5.3315, 0.1304,
0.1394

■ 94.0669, 0.2279,
0.2412

■ 2.4430, 0.1000,
0.1074

■ 121.1442, 0.2342,
0.2478

■ 0.8479, 0.0629,
0.0682

■ 152.9749, 0.2396,
0.2534

■ 0.0000, 0.0000,
0.0000

189.9434, 0.2444,

0.2583

232.4340, 0.2486,
0.2627

■ 25.6037, 0.1891,
0.2008

■ 25.6037, 0.1891,
0.2008

■ 25.6063, 0.1891,
0.2008

■ 28.4595, 0.1947,
0.2148

■ 31.7249, 0.2022,
0.2291

■ 35.4749, 0.2118,
0.2435

■ 39.7531, 0.2234,
0.2579

■ 44.5966, 0.2365,
0.2718

■ 50.0382, 0.2509,
0.2851

■ 56.1076, 0.2660,
0.2975

■ 62.8321, 0.2816,
0.3090

■ 70.2373, 0.2973,
0.3195

Harmonies

Analogous

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



25.6037, 0.1657, 0.2270



25.6037, 0.1891, 0.2008



25.6037, 0.2429, 0.2035

Triad

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



25.6037, 0.1891, 0.2008



25.6037, 0.4758, 0.3354



25.6037, 0.2827, 0.4671

Complementary

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



25.6037, 0.1891, 0.2008



23.1505, 0.5800, 0.3776

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.



25.6037, 0.3655, 0.4921



25.6037, 0.1891, 0.2008



25.6037, 0.4824, 0.3982

Square

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



25.6037, 0.1891, 0.2008



25.6037, 0.4143, 0.2770



25.6037, 0.4390, 0.4576



25.6037, 0.2125, 0.3815

Rectangle

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



25.6037, 0.1891, 0.2008



25.6037, 0.2948, 0.2190



25.6037, 0.4390, 0.4576



25.6037, 0.3100, 0.4835

Sweetspot

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



25.6063, 0.1891, 0.2008



71.4694, 0.2658, 0.2973



56.6733, 0.2846, 0.5447



14.5740, 0.2593, 0.2921



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.



25.6063, 0.1891, 0.2008



32.4891, 0.1889, 0.2000



6.6124, 0.1525, 0.0690



15.3901, 0.2981, 0.3201



14.8796, 0.1897, 0.2030



1.2760, 0.1954, 0.2234

Inverse Universe

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



18.6705, 0.4444, 0.2222



23.8109, 0.4453, 0.2227



57.2549, 0.4453, 0.4846



14.5197, 0.3194, 0.3143



10.6998, 0.4419, 0.2208



0.8085, 0.4196, 0.2085

Previews

White Background



This preview shows how the Yxy color 25.6037, 0.1891, 0.2008 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 25.6037, 0.1891, 0.2008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

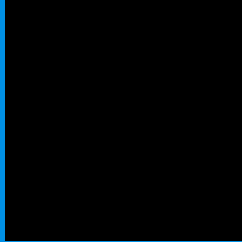
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

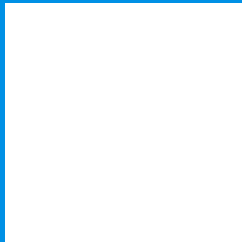
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.6037, 0.1891, 0.2008

Background



This preview shows how black text looks on a background with the Yxy color 25.6037, 0.1891, 0.2008.



This preview shows how white text looks on a background with the Yxy color 25.6037, 0.1891, 0.2008.

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

25.6037, 0.1891, 0.2008

Protanopia

25.5517, 0.2204, 0.2044

Deuteranopia

25.6743, 0.2024, 0.1967



Tritanopia

25.4628, 0.2189, 0.3081

Trichromacy



Original Color

25.6037, 0.1891, 0.2008

Protanomaly

24.7521, 0.2011, 0.2003

Deuteranomaly

25.3913, 0.1942, 0.1970

Tritanomaly

25.4435, 0.2063, 0.2627

Monochromacy



Original Color

25.6037, 0.1891, 0.2008

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.8386, 0.2331, 0.2680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6037, 0.1891, 0.2008 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(0, 144, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 229)  
}
```

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(0, 144, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 229) }
```

Border

The CSS property to change the border of an element to Yxy 25.6037, 0.1891, 0.2008 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(0, 144, 229) }
```

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

```
.border{ border-color:rgb(0, 144, 229) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6037, 0.1891, 0.2008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 229) }
```

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

```
.background{ background-color: rgb(0, 144,  
229) }
```

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