

Converting Colors

$Y_{xy}(25.8583, 0.1892, 0.1980)$

Have a look what the booklet for
 $\text{Yxy}(25.8583, 0.1892, 0.1980)$
contains.

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Color

Yxy(25.8583, 0.1892, 0.1980)

Conversions

Conversions Part 1	
Format	Color
Hex	0D90E8
RGB	13, 144, 232
RGB Percent	5%, 56%, 91%
CMY	0.9472, 0.4353, 0.0902
CMYK	0.94, 0.38, 0.00, 0.09
HSL	204°, 89%, 48%
HSV	204°, 94%, 91%
XYZ	24.7090, 25.8583, 80.0301
YIQ	114.8630, -106.3240, -0.4040

Conversions

Conversions Part 2

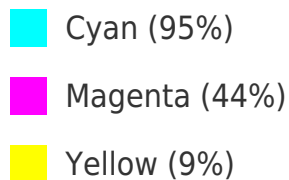
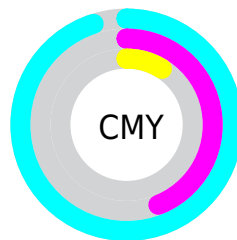
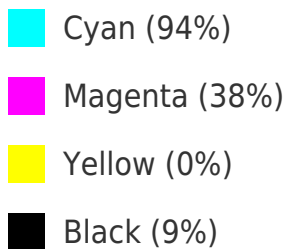
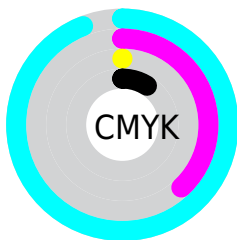
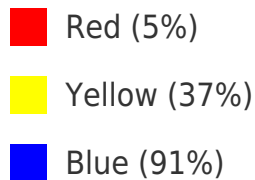
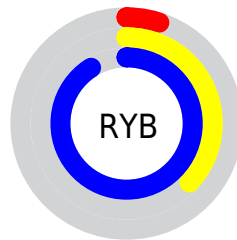
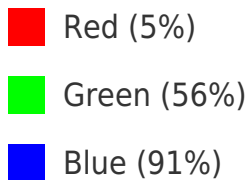
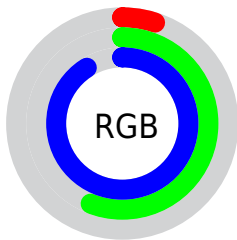
Format	Color
RYB	13, 95, 232
Decimal	889064
CIELab	57.90, 0.57, -53.08
CIELCh	58, 53.079, 270.612
Yxy	25.8583, 0.1892, 0.1980
Android (android.graphics.Color)	4279079144 (0xFF0D90E8)
YUV	114.8630, 57.7485, -89.3339
Hunter-Lab	50.8511, -2.2544, -57.7157

Details

The Yxy color **25.8583, 0.1892, 0.1980** 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 **26.5870, 0.5583, 0.3900**, and the grayscale version is **16.9906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3406, 0.2249, 0.2561**, and **11.1400, 0.1805, 0.1699** is the 20% darker color. If you saturate the color by 10%, you get **24.1651, 0.1859, 0.1893**, and if you desaturate by 10%, it is **29.1055, 0.1962, 0.2134**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8583, 0.1892, 0.1980 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 25.8583, 0.1892, 0.1980 by changing the saturation by 10% instead.


 25.8583, 0.1892,
0.1980


 25.8583, 0.1892,
0.1980


282.0858, 0.2522,
0.2647


 16.7177, 0.1739,
0.1819


 53.0463, 0.2119,
0.2220


 10.0334, 0.1549,
0.1618


 71.8624, 0.2206,
0.2312


 5.4211, 0.1310,
0.1366

 94.6724, 0.2279,
0.2389

 2.4964, 0.1010,
0.1050

 121.8608, 0.2341,
0.2456

 0.8748, 0.0644,
0.0666

 153.8120, 0.2396,
0.2513

 0.0000, 0.0000,
0.0000

190.9103, 0.2443,

0.2564

233.5401, 0.2485,
0.2608

■ 25.8583, 0.1892,
0.1980

■ 25.8583, 0.1892,
0.1980

■ 24.1651, 0.1859,
0.1893

■ 29.1055, 0.1962,
0.2134

■ 32.8630, 0.2054,
0.2291

■ 37.1816, 0.2166,
0.2448

■ 42.1033, 0.2296,
0.2603

■ 47.6648, 0.2439,
0.2751

■ 53.8991, 0.2591,
0.2891

■ 60.8364, 0.2748,
0.3022

■ 68.5048, 0.2907,
0.3141

■ 76.9306, 0.3063,
0.3248

Harmonies

Analogous

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



25.8583, 0.1638, 0.2226



25.8583, 0.1892, 0.1980



25.8583, 0.2455, 0.2023

Triad

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



25.8583, 0.1892, 0.1980



25.8583, 0.4811, 0.3386



25.8583, 0.2772, 0.4669

Complementary

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



25.8583, 0.1892, 0.1980



26.5870, 0.5583, 0.3900

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.



25.8583, 0.3614, 0.4961



25.8583, 0.1892, 0.1980



25.8583, 0.4842, 0.4025

Square

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



25.8583, 0.1892, 0.1980



25.8583, 0.4211, 0.2791



25.8583, 0.4373, 0.4626



25.8583, 0.2073, 0.3769

Rectangle

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



25.8583, 0.1892, 0.1980



25.8583, 0.2993, 0.2189



25.8583, 0.4373, 0.4626



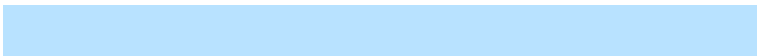
25.8583, 0.3048, 0.4850

Sweetspot

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



25.8591, 0.1892, 0.1980



71.8869, 0.2686, 0.2971



58.7382, 0.2799, 0.5241



14.5979, 0.2618, 0.2914



0.0000, 0.0000, 0.0000



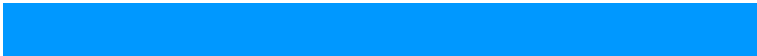
21.4041, 0.3127, 0.3290

Same Dimension

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



25.8591, 0.1892, 0.1980



29.7747, 0.1857, 0.1886



7.1368, 0.1544, 0.0718



15.3115, 0.2981, 0.3193



13.6691, 0.1866, 0.1917



1.1910, 0.1927, 0.2138

Inverse Universe

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



19.4689, 0.4470, 0.2263



23.5369, 0.4584, 0.2299



63.3506, 0.4360, 0.4894



14.5118, 0.3199, 0.3151



10.5776, 0.4547, 0.2279



0.7999, 0.4299, 0.2142

Previews

White Background



This preview shows how the Yxy color 25.8583, 0.1892, 0.1980 looks on a white background.

Color Contrast Check

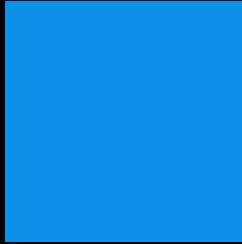
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8583, 0.1892, 0.1980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

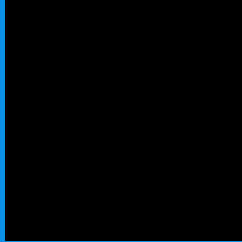
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

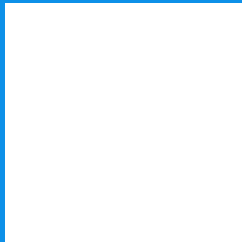
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.8583, 0.1892, 0.1980

Background



This preview shows how black text looks on a background with the Yxy color 25.8583, 0.1892, 0.1980.

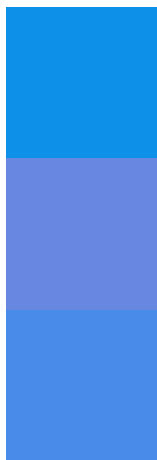


This preview shows how white text looks on a background with the Yxy color 25.8583, 0.1892, 0.1980.

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

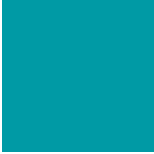
25.8583, 0.1892, 0.1980

Protanopia

25.5933, 0.2177, 0.2010

Deuteranopia

25.7261, 0.2001, 0.1934



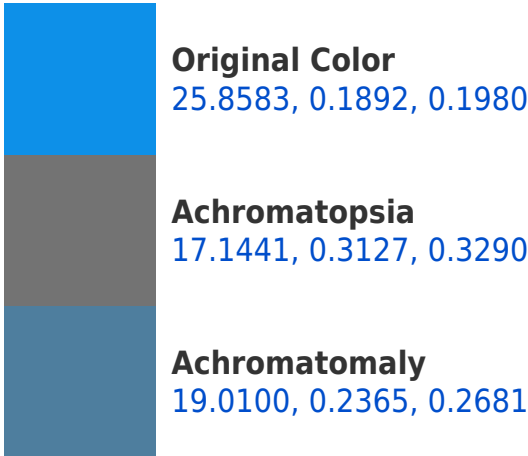
Tritanopia

25.8278, 0.2190, 0.3082

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8583, 0.1892, 0.1980 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(13, 144, 232)` looks like.

```
.text, #text, p{  
    color:rgb(13, 144, 232)  
}
```

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(13, 144, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 144, 232) }
```

Border

The CSS property to change the border of an element to Yxy 25.8583, 0.1892, 0.1980 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(13, 144, 232) }
```

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

```
.border{ border-color:rgb(13, 144, 232) }
```

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

Here you see how a box with a 4 pixel rgb(13, 144, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 144, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 144, 232);  
box-shadow:4px 4px 4px 4px rgb(13, 144,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8583, 0.1892, 0.1980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 144, 232) }
```

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

```
.background{ background-color: rgb(13, 144,  
232) }
```

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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