

Converting Colors

$Y_{xy}(20.6856, 0.1220, 0.1296)$

Have a look what the booklet for
Yxy(20.6856, 0.1220, 0.1296)
contains.

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Color

Yxy(25.1113, 0.1798, 0.1673)

Conversions

Conversions Part 1

Format	Color
Hex	0089FF
RGB	0, 137, 255
RGB Percent	0%, 54%, 100%
CMY	1.0000, 0.4627, 0.0002
CMYK	1.00, 0.46, 0.00, 0.00
HSL	208°, 100%, 50%
HSV	208°, 100%, 100%
XYZ	26.9875, 25.1113, 97.9986
YIQ	109.4890, -119.5300, 7.6540

Conversions

Conversions Part 2

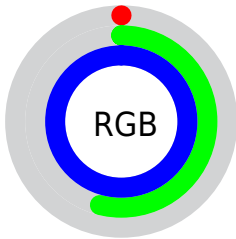
Format	Color
R _Y B	0, 89, 255
Decimal	35327
CIE Lab	57.18, 13.19, -66.92
CIE LCh	57, 68.208, 281.147
Yxy	25.1113, 0.1798, 0.1673
Android (android.graphics.Color)	4278225407 (0xFF0089FF)
YUV	109.4890, 71.7369, -96.0219
Hunter-Lab	50.1112, 8.4371, -80.8711

Details

The Yxy color **25.1113, 0.1798, 0.1673** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **34.1962, 0.5547, 0.3977**, and the grayscale version is **15.2585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4917, 0.2246, 0.2472**, and **11.0107, 0.1722, 0.1397** is the 20% darker color. If you saturate the color by 10%, you get **25.1136, 0.1798, 0.1673**, and if you desaturate by 10%, it is **28.8657, 0.1862, 0.1843**.

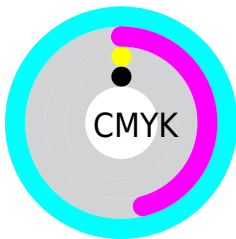
Distribution



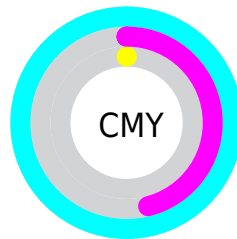
- Red (0%)
- Green (54%)
- Blue (100%)



- Red (0%)
- Yellow (35%)
- Blue (100%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1113, 0.1798, 0.1673 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 25.1113, 0.1798, 0.1673 by changing the saturation by 10% instead.


 25.1113, 0.1798,
0.1673


 25.1113, 0.1798,
0.1673


278.3918, 0.2469,
0.2457

 16.1600, 0.1641,
0.1498


 51.8377, 0.2037,
0.1945

 9.6374, 0.1449,
0.1289


 70.3816, 0.2128,
0.2051


 5.1592, 0.1213,
0.1039


 92.8919, 0.2206,
0.2143

 2.3410, 0.0927,
0.0749

 119.7528, 0.2274,
0.2222

 0.7953, 0.0594,
0.0429

 151.3489, 0.2332,
0.2292

 0.0000, 0.0026,
0.0000

188.0645, 0.2384,

 0.0000, 0.0000,

0.2354

0.0000

230.2840, 0.2429,
0.2408

■ 25.1113, 0.1798,
0.1673

■ 25.1113, 0.1798,
0.1673

■ 25.1136, 0.1798,
0.1673

■ 28.8657, 0.1862,
0.1843

■ 33.2732, 0.1948,
0.2021

■ 38.4316, 0.2058,
0.2203

■ 44.4031, 0.2187,
0.2386

■ 51.2413, 0.2332,
0.2564

■ 58.9936, 0.2487,
0.2734

■ 67.7034, 0.2649,
0.2892

■ 77.4107, 0.2811,
0.3038

■ 88.1529, 0.2971,
0.3171

Harmonies

Analogous

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



25.1113, 0.1384, 0.1810



25.1113, 0.1798, 0.1673



25.1113, 0.2599, 0.1835

Triad

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



25.1113, 0.1798, 0.1673



25.1113, 0.5365, 0.3590



25.1113, 0.2288, 0.4784

Complementary

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



25.1113, 0.1798, 0.1673



34.1962, 0.5547, 0.3977

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.



25.1113, 0.3283, 0.5474



25.1113, 0.1798, 0.1673



25.1113, 0.5081, 0.4365

Square

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



25.1113, 0.1798, 0.1673



25.1113, 0.4872, 0.2878



25.1113, 0.4290, 0.5131



25.1113, 0.1585, 0.3411

Rectangle

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



25.1113, 0.1798, 0.1673



25.1113, 0.3344, 0.2091



25.1113, 0.4290, 0.5131



25.1113, 0.2602, 0.5139

Sweetspot

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



25.1136, 0.1798, 0.1673



67.7269, 0.2649, 0.2892



72.7266, 0.2780, 0.5207



13.6845, 0.2580, 0.2827



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.



25.1136, 0.1798, 0.1673



25.1221, 0.1798, 0.1673



7.4989, 0.1506, 0.0621



18.9948, 0.2979, 0.3177



13.4291, 0.1806, 0.1701



1.5263, 0.1860, 0.1895

Inverse Universe

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



23.0592, 0.4840, 0.2440



23.0672, 0.4840, 0.2440



84.8836, 0.4285, 0.4980



18.1503, 0.3210, 0.3163



12.0836, 0.4806, 0.2421



1.1986, 0.4573, 0.2293

Previews

White Background



This preview shows how the Yxy color 25.1113, 0.1798, 0.1673 looks on a white background.

Color Contrast Check

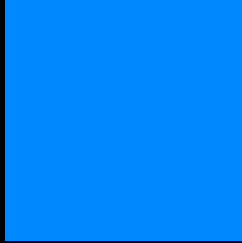
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1113, 0.1798, 0.1673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

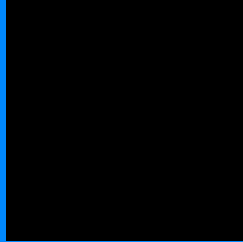
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

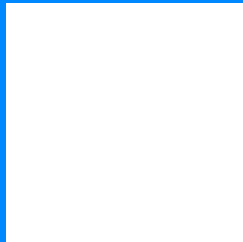
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.1113, 0.1798, 0.1673

Background



This preview shows how black text looks on a background with the Yxy color 25.1113, 0.1798, 0.1673.



This preview shows how white text looks on a background with the Yxy color 25.1113, 0.1798, 0.1673.

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

25.1113, 0.1798, 0.1673

Protanopia

24.9824, 0.1939, 0.1696

Deuteranopia

25.0578, 0.1828, 0.1782



Tritanopia

25.0651, 0.2194, 0.3098

Trichromacy



Original Color

25.1113, 0.1798, 0.1673

Protanomaly

24.7314, 0.1855, 0.1676

Deuteranomaly

25.0165, 0.1815, 0.1734

Tritanomaly

24.8530, 0.2016, 0.2456

Monochromacy



Original Color

25.1113, 0.1798, 0.1673

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.0675, 0.2247, 0.2463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1113, 0.1798, 0.1673 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, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 255)  
}
```

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, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.1113, 0.1798, 0.1673 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, 137, 255) }
```

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

```
.border{ border-color:rgb(0, 137, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1113, 0.1798, 0.1673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 255) }
```

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

```
.background{ background-color: rgb(0, 137,  
255) }
```

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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