

Converting Colors

$Y_{xy}(25.6405, 0.1869, 0.1685)$

Have a look what the booklet for
Yxy(25.6405, 0.1869, 0.1685)
contains.

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Color

Yxy(25.6405, 0.1869, 0.1685)

Conversions

Conversions Part 1

Format	Color
Hex	3788FF
RGB	55, 136, 255
RGB Percent	22%, 53%, 100%
CMY	0.7837, 0.4668, 0.0000
CMYK	0.78, 0.47, 0.00, 0.00
HSL	216°, 100%, 61%
HSV	216°, 78%, 100%
XYZ	28.4404, 25.6405, 98.0882
YIQ	125.3470, -86.4750, 19.8370

Conversions

Conversions Part 2

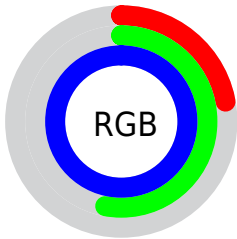
Format	Color
R _Y B	55, 113, 255
Decimal	3639551
CIE Lab	57.69, 16.78, -66.10
CIE LCh	58, 68.197, 284.244
Yxy	25.6405, 0.1869, 0.1685
Android (android.graphics.Color)	4281829631 (0xFF3788FF)
YUV	125.3470, 63.9189, -61.6943
Hunter-Lab	50.6364, 11.6423, -79.4056

Details

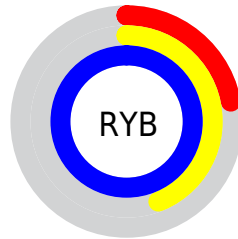
The Yxy color **25.6405, 0.1869, 0.1685** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle washed azure. A complement of this color would be **51.8828, 0.4774, 0.4337**, and the grayscale version is **20.4466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3610, 0.2327, 0.2475**, and **10.8476, 0.1717, 0.1381** is the 20% darker color. If you saturate the color by 10%, you get **21.1146, 0.1765, 0.1468**, and if you desaturate by 10%, it is **31.1411, 0.2000, 0.1916**.

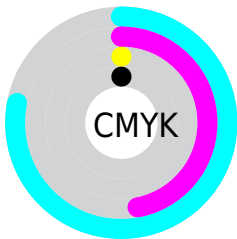
Distribution



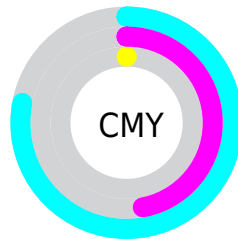
- Red (22%)
- Green (53%)
- Blue (100%)



- Red (22%)
- Yellow (44%)
- Blue (100%)



- Cyan (78%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)




- Cyan (78%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6405, 0.1869, 0.1685 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 25.6405, 0.1869, 0.1685 by changing the saturation by 10% instead.


 25.6405, 0.1869,
0.1685


 25.6405, 0.1869,
0.1685


281.0128, 0.2508,
0.2459


 16.5549, 0.1718,
0.1513


 52.6944, 0.2097,
0.1953

 9.9177, 0.1532,
0.1306


 71.4315, 0.2184,
0.2058

 5.3444, 0.1302,
0.1060


 94.1545, 0.2259,
0.2148

 2.4507, 0.1018,
0.0772

 121.2479, 0.2323,
0.2227

 0.8518, 0.0681,
0.0454

153.0961, 0.2378,
0.2296

 0.0000, 0.0167,
0.0000

190.0833, 0.2427,

 0.0000, 0.0000,

0.2357

0.0000

232.5941, 0.2470,
0.2411

■ 25.6405, 0.1869,
0.1685

■ 25.6405, 0.1869,
0.1685

■ 21.1146, 0.1765,
0.1468

■ 31.1411, 0.2000,
0.1916

■ 17.4729, 0.1689,
0.1271

■ 37.6955, 0.2151,
0.2150

■ 16.9443, 0.1678,
0.1241

■ 45.3671, 0.2317,
0.2381

■ 54.2147, 0.2489,
0.2601

■ 64.2923, 0.2663,
0.2806

■ 75.6501, 0.2834,
0.2994

■ 88.3353, 0.2997,
0.3163

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



25.6405, 0.1420, 0.1788



25.6405, 0.1869, 0.1685



25.6405, 0.2708, 0.1875

Triad

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



25.6405, 0.1869, 0.1685



25.6405, 0.5355, 0.3668



25.6405, 0.2204, 0.4644

Complementary

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



25.6405, 0.1869, 0.1685



51.8828, 0.4774, 0.4337

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.



25.6405, 0.3178, 0.5441



25.6405, 0.1869, 0.1685



25.6405, 0.5008, 0.4445

Square

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



25.6405, 0.1869, 0.1685



25.6405, 0.4947, 0.2952



25.6405, 0.4189, 0.5187



25.6405, 0.1547, 0.3277

Rectangle

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



25.6405, 0.1869, 0.1685



25.6405, 0.3468, 0.2147



25.6405, 0.4189, 0.5187



25.6405, 0.2507, 0.5026

Sweetspot

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



25.6389, 0.1869, 0.1685



69.0907, 0.2738, 0.2890



75.3054, 0.2616, 0.4400



13.9461, 0.2677, 0.2822



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.



25.6389, 0.1869, 0.1685



18.9638, 0.1719, 0.1354



11.3390, 0.1711, 0.0879



18.5836, 0.2979, 0.3145



9.1280, 0.1687, 0.1271



1.0964, 0.1749, 0.1494

Inverse Universe

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



25.7852, 0.4771, 0.2615



22.7852, 0.5243, 0.2693



90.0347, 0.4011, 0.5027



18.1088, 0.3230, 0.3194



11.6494, 0.5366, 0.2730



1.1552, 0.5066, 0.2565

Previews

White Background



This preview shows how the Yxy color 25.6405, 0.1869, 0.1685 looks on a white background.

Color Contrast Check

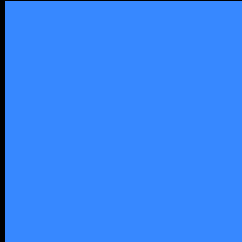
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6405, 0.1869, 0.1685 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

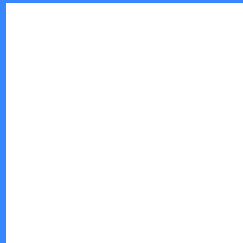
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.6405, 0.1869, 0.1685

Background



This preview shows how black text looks on a background with the Yxy color 25.6405, 0.1869, 0.1685.



This preview shows how white text looks on a background with the Yxy color 25.6405, 0.1869, 0.1685.

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

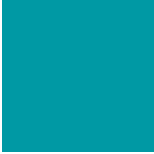
25.6405, 0.1869, 0.1685

Protanopia

25.7198, 0.1936, 0.1699

Deuteranopia

25.4716, 0.1828, 0.1779



Tritanopia

25.4628, 0.2189, 0.3081

Trichromacy



Original Color

25.6405, 0.1869, 0.1685

Protanomaly

25.7489, 0.1909, 0.1694

Deuteranomaly

25.5161, 0.1831, 0.1745

Tritanomaly

25.0474, 0.2031, 0.2446

Monochromacy



Original Color

25.6405, 0.1869, 0.1685

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.3884, 0.2446, 0.2546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6405, 0.1869, 0.1685 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(55, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(55, 136, 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(55, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 136, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.6405, 0.1869, 0.1685 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(55, 136, 255) }
```

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

```
.border{ border-color:rgb(55, 136, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 136, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 136, 255);  
box-shadow:4px 4px 4px 4px rgb(55, 136,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6405, 0.1869, 0.1685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 136, 255) }
```

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

```
.background{ background-color: rgb(55, 136,  
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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