

Converting Colors

$Y_{xy}(25.9610, 0.1817, 0.1543)$

Have a look what the booklet for
Yxy(25.9610, 0.1817, 0.1543)
contains.

Yxy(25.0003, 0.1854, 0.1656)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.0003, 0.1854, 0.1656)

Conversions

Conversions Part 1

Format	Color
Hex	3486FF
RGB	52, 134, 255
RGB Percent	20%, 53%, 100%
CMY	0.7965, 0.4745, 0.0000
CMYK	0.80, 0.47, 0.00, 0.00
HSL	216°, 100%, 60%
HSV	216°, 80%, 100%
XYZ	27.9895, 25.0003, 97.9782
YIQ	123.2760, -87.7130, 20.2470

Conversions

Conversions Part 2

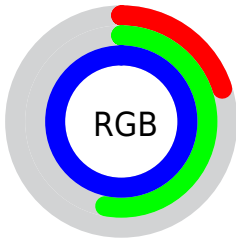
Format	Color
R _Y B	52, 110, 255
Decimal	3442431
CIE Lab	57.08, 17.67, -67.09
CIE LCh	57, 69.382, 284.754
Yxy	25.0003, 0.1854, 0.1656
Android (android.graphics.Color)	4281632511 (0xFF3486FF)
YUV	123.2760, 64.9399, -62.5091
Hunter-Lab	50.0003, 12.4213, -81.1817

Details

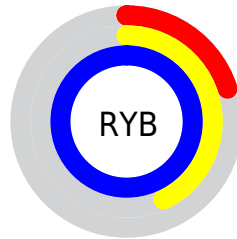
The Yxy color **25.0003, 0.1854, 0.1656** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle washed azure. A complement of this color would be **51.3490, 0.4800, 0.4341**, and the grayscale version is **19.6966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3498, 0.2312, 0.2447**, and **10.5282, 0.1708, 0.1350** is the 20% darker color. If you saturate the color by 10%, you get **20.5950, 0.1754, 0.1441**, and if you desaturate by 10%, it is **30.3716, 0.1982, 0.1885**.

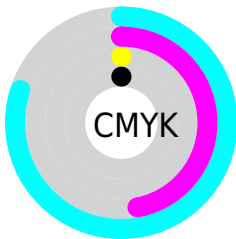
Distribution



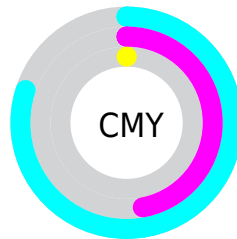
- Red (20%)
- Green (53%)
- Blue (100%)



- Red (20%)
- Yellow (43%)
- Blue (100%)



- Cyan (80%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0003, 0.1854, 0.1656 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 25.0003, 0.1854, 0.1656 by changing the saturation by 10% instead.


 25.0003, 0.1854,
0.1656


 25.0003, 0.1854,
0.1656


277.8394, 0.2502,
0.2443


 16.0773, 0.1701,
0.1481


 51.6577, 0.2085,
0.1928

 9.5789, 0.1512,
0.1273


 70.1609, 0.2174,
0.2035

 5.1206, 0.1280,
0.1025


 92.6262, 0.2249,
0.2127

 2.3182, 0.0994,
0.0737

 119.4382, 0.2314,
0.2207

 0.7833, 0.0656,
0.0421

150.9810, 0.2371,
0.2277

 0.0000, 0.0125,
0.0000

187.6393, 0.2420,

 0.0000, 0.0000,

0.2339

0.0000

229.7973, 0.2463,
0.2394

■ 25.0003, 0.1854,
0.1656

■ 25.0003, 0.1854,
0.1656

■ 20.5950, 0.1754,
0.1441

■ 30.3716, 0.1982,
0.1885

■ 17.0514, 0.1680,
0.1247

■ 36.7871, 0.2131,
0.2120

■ 16.9398, 0.1678,
0.1241

■ 44.3121, 0.2295,
0.2352

■ 53.0059, 0.2467,
0.2573

■ 62.9233, 0.2641,
0.2781

■ 74.1148, 0.2812,
0.2971

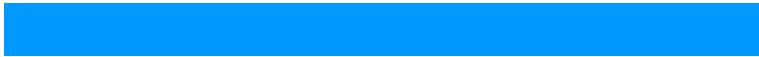
■ 86.6280, 0.2977,
0.3142

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.



25.0003, 0.1393, 0.1753



25.0003, 0.1854, 0.1656



25.0003, 0.2715, 0.1853

Triad

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



25.0003, 0.1854, 0.1656



25.0003, 0.5404, 0.3677



25.0003, 0.2164, 0.4662

Complementary

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



25.0003, 0.1854, 0.1656



51.3490, 0.4800, 0.4341

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.



25.0003, 0.3151, 0.5497



25.0003, 0.1854, 0.1656



25.0003, 0.5030, 0.4469

Square

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



25.0003, 0.1854, 0.1656



25.0003, 0.5007, 0.2951



25.0003, 0.4184, 0.5234



25.0003, 0.1505, 0.3249

Rectangle

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



25.0003, 0.1854, 0.1656



25.0003, 0.3496, 0.2132



25.0003, 0.4184, 0.5234



25.0003, 0.2470, 0.5061

Sweetspot

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



24.9994, 0.1854, 0.1656



69.0879, 0.2738, 0.2890



75.1635, 0.2615, 0.4421



13.9454, 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.



24.9994, 0.1854, 0.1656



18.2600, 0.1705, 0.1315



10.9247, 0.1694, 0.0852



18.5834, 0.2979, 0.3144



9.1256, 0.1687, 0.1271



1.0962, 0.1749, 0.1494

Inverse Universe

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



25.4276, 0.4812, 0.2616



22.5893, 0.5299, 0.2713



89.9569, 0.4016, 0.5041



18.1088, 0.3230, 0.3194



11.6492, 0.5367, 0.2730



1.1552, 0.5067, 0.2565

Previews

White Background



This preview shows how the Yxy color 25.0003, 0.1854, 0.1656 looks on a white background.

Color Contrast Check

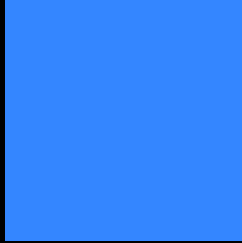
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0003, 0.1854, 0.1656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

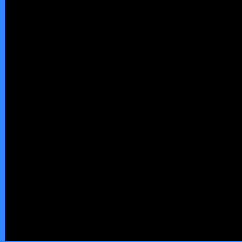
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

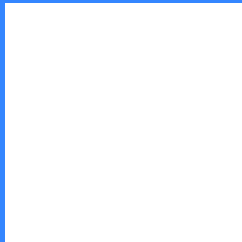
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.0003, 0.1854, 0.1656

Background



This preview shows how black text looks on a background with the Yxy color 25.0003, 0.1854, 0.1656.



This preview shows how white text looks on a background with the Yxy color 25.0003, 0.1854, 0.1656.

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

25.0003, 0.1854, 0.1656

Protanopia

25.0108, 0.1915, 0.1668

Deuteranopia

24.9969, 0.1831, 0.1790



Tritanopia

24.7419, 0.2189, 0.3079

Trichromacy



Original Color

25.0003, 0.1854, 0.1656

Protanomaly

25.0546, 0.1889, 0.1664

Deuteranomaly

24.8071, 0.1827, 0.1733

Tritanomaly

24.3748, 0.2024, 0.2423

Monochromacy



Original Color

25.0003, 0.1854, 0.1656

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.6604, 0.2423, 0.2520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0003, 0.1854, 0.1656 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(52, 134, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 134, 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(52, 134, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 134, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.0003, 0.1854, 0.1656 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(52, 134, 255) }
```

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

```
.border{ border-color:rgb(52, 134, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 134, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 134, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 134, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 134,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0003, 0.1854, 0.1656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 134, 255) }
```

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

```
.background{ background-color: rgb(52, 134,  
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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