

Converting Colors

$Y_{xy}(25.5521, 0.1899, 0.1675)$

Have a look what the booklet for
Yxy(25.5521, 0.1899, 0.1675)
contains.

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Color

Yxy(25.4991, 0.1899, 0.1672)

Conversions

Conversions Part 1

Format	Color
Hex	4486FF
RGB	68, 134, 255
RGB Percent	27%, 53%, 100%
CMY	0.7336, 0.4745, 0.0000
CMYK	0.73, 0.47, 0.00, 0.00
HSL	219°, 100%, 63%
HSV	219°, 73%, 100%
XYZ	28.9610, 25.4991, 98.0465
YIQ	128.0600, -78.1770, 23.6390

Conversions

Conversions Part 2

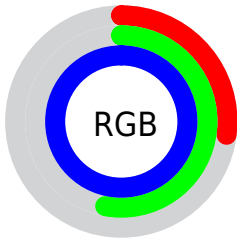
Format	Color
R _{YB}	68, 117, 255
Decimal	4491007
CIE _{Lab}	57.56, 19.39, -66.31
CIE _{LCh}	58, 69.085, 286.303
Yxy	25.4991, 0.1899, 0.1672
Android (android.graphics.Color)	4282681087 (0xFF4486FF)
YUV	128.0600, 62.5814, -52.6726
Hunter-Lab	50.4966, 14.0048, -79.7724

Details

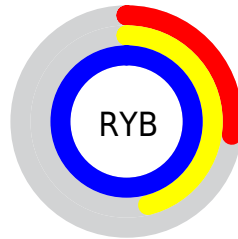
The Yxy color **25.4991, 0.1899, 0.1672** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **58.0392, 0.4581, 0.4398**, and the grayscale version is **21.3996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1639, 0.2363, 0.2458**, and **10.5282, 0.1708, 0.1350** is the 20% darker color. If you saturate the color by 10%, you get **20.5623, 0.1776, 0.1436**, and if you desaturate by 10%, it is **31.5399, 0.2048, 0.1922**.

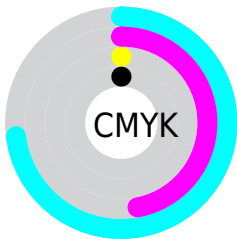
Distribution



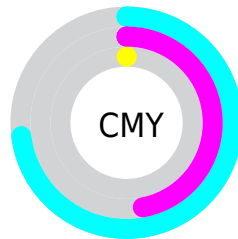
- Red (27%)
- Green (53%)
- Blue (100%)



- Red (27%)
- Yellow (46%)
- Blue (100%)



- Cyan (73%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)




- Cyan (73%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4991, 0.1899, 0.1672 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 25.4991, 0.1899, 0.1672 by changing the saturation by 10% instead.


 25.4991, 0.1899,
0.1672


 25.4991, 0.1899,
0.1672


280.3145, 0.2525,
0.2449


 16.4493, 0.1750,
0.1499


 52.4658, 0.2123,
0.1940

 9.8426, 0.1566,
0.1293


 71.1514, 0.2209,
0.2046

 5.2947, 0.1337,
0.1048


 93.8178, 0.2282,
0.2137

 2.4212, 0.1054,
0.0761

 120.8493, 0.2345,
0.2216

 0.8368, 0.0715,
0.0445

152.6303, 0.2399,
0.2285

 0.0000, 0.0216,
0.0000

189.5452, 0.2446,

 0.0000, 0.0000,

0.2346

0.0000

231.9785, 0.2488,
0.2401

■ 25.4991, 0.1899,
0.1672

■ 25.4991, 0.1899,
0.1672

■ 20.5623, 0.1776,
0.1436

■ 31.5399, 0.2048,
0.1922

■ 16.6485, 0.1684,
0.1222

■ 38.7692, 0.2214,
0.2175

■ 14.5436, 0.1638,
0.1097

■ 47.2530, 0.2391,
0.2421

■ 57.0540, 0.2570,
0.2653

■ 68.2301, 0.2747,
0.2868

■ 80.8356, 0.2916,
0.3062

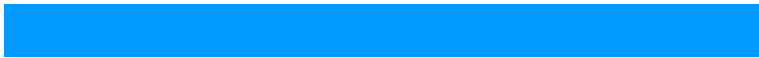
■ 94.9218, 0.3076,
0.3236

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.



25.4991, 0.1421, 0.1753



25.4991, 0.1899, 0.1672



25.4991, 0.2775, 0.1882

Triad

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



25.4991, 0.1899, 0.1672



25.4991, 0.5381, 0.3717



25.4991, 0.2131, 0.4576

Complementary

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



25.4991, 0.1899, 0.1672



58.0392, 0.4581, 0.4398

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.



25.4991, 0.3101, 0.5457



25.4991, 0.1899, 0.1672



25.4991, 0.4981, 0.4507

Square

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



25.4991, 0.1899, 0.1672



25.4991, 0.5027, 0.2992



25.4991, 0.4129, 0.5250



25.4991, 0.1498, 0.3186

Rectangle

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



25.4991, 0.1899, 0.1672



25.4991, 0.3557, 0.2168



25.4991, 0.4129, 0.5250



25.4991, 0.2430, 0.4984

Sweetspot

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



25.4965, 0.1899, 0.1672



69.8627, 0.2770, 0.2896



76.3087, 0.2581, 0.4186



14.2638, 0.2723, 0.2840



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.



25.4965, 0.1899, 0.1672



18.6265, 0.1729, 0.1333



13.6654, 0.1834, 0.1018



18.4273, 0.2979, 0.3132



7.8526, 0.1647, 0.1127



0.9611, 0.1709, 0.1352

Inverse Universe

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



27.1064, 0.4761, 0.2711



23.3419, 0.5255, 0.2755



88.7688, 0.3921, 0.5011



18.0930, 0.3238, 0.3206



11.5207, 0.5571, 0.2843



1.1416, 0.5256, 0.2669

Previews

White Background



This preview shows how the Yxy color 25.4991, 0.1899, 0.1672 looks on a white background.

Color Contrast Check

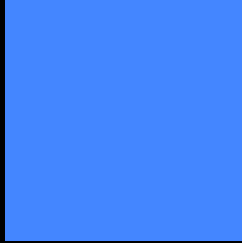
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4991, 0.1899, 0.1672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

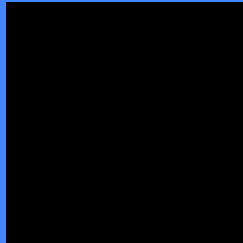
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

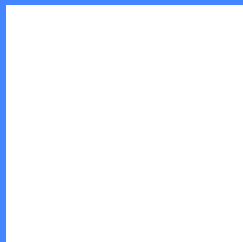
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.4991, 0.1899, 0.1672

Background



This preview shows how black text looks on a background with the Yxy color 25.4991, 0.1899, 0.1672.



This preview shows how white text looks on a background with the Yxy color 25.4991, 0.1899, 0.1672.

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

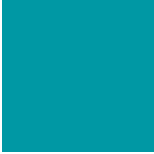
25.4991, 0.1899, 0.1672

Protanopia

25.4267, 0.1923, 0.1676

Deuteranopia

25.4716, 0.1828, 0.1779



Tritanopia

25.1368, 0.2184, 0.3062

Trichromacy



Original Color

25.4991, 0.1899, 0.1672

Protanomaly

25.3085, 0.1912, 0.1672

Deuteranomaly

25.2858, 0.1833, 0.1733

Tritanomaly

24.4887, 0.2029, 0.2411

Monochromacy



Original Color

25.4991, 0.1899, 0.1672

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0854, 0.2484, 0.2544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4991, 0.1899, 0.1672 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(68, 134, 255)` looks like.

```
.text, #text, p{  
  color:rgb(68, 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(68, 134, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 134, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.4991, 0.1899, 0.1672 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(68, 134, 255) }
```

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

```
.border{ border-color:rgb(68, 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(68, 134, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 134, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 134, 255);  
box-shadow:4px 4px 4px 4px rgb(68, 134,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4991, 0.1899, 0.1672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 134, 255) }
```

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

```
.background{ background-color: rgb(68, 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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