

Converting Colors

$Y_{xy}(26.5869, 0.2074, 0.1821)$

Have a look what the booklet for
Yxy(26.5869, 0.2074, 0.1821)
contains.

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Color

Yxy(26.5689, 0.2073, 0.1821)

Conversions

Conversions Part 1

Format	Color
Hex	6487F4
RGB	100, 135, 244
RGB Percent	39%, 53%, 96%
CMY	0.6077, 0.4706, 0.0433
CMYK	0.59, 0.45, 0.00, 0.04
HSL	225°, 87%, 67%
HSV	225°, 59%, 96%
XYZ	30.2457, 26.5689, 89.0883
YIQ	136.9610, -55.8490, 26.4790

Conversions

Conversions Part 2

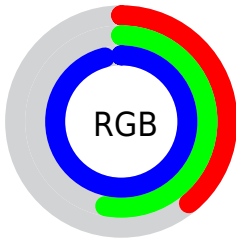
Format	Color
R _Y B	100, 128, 244
Decimal	6588404
CIE Lab	58.57, 19.92, -58.49
CIE LCh	59, 61.787, 288.811
Yxy	26.5689, 0.2073, 0.1821
Android (android.graphics.Color)	4284778484 (0xFF6487F4)
YUV	136.9610, 52.7702, -32.4148
Hunter-Lab	51.5450, 14.5366, -66.3928

Details

The Yxy color **26.5689, 0.2073, 0.1821** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.7411, 0.4171, 0.4394**, and the grayscale version is **24.8170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7635, 0.2496, 0.2498**, and **10.4140, 0.1769, 0.1459** is the 20% darker color. If you saturate the color by 10%, you get **20.6658, 0.1903, 0.1537**, and if you desaturate by 10%, it is **33.7840, 0.2259, 0.2110**.

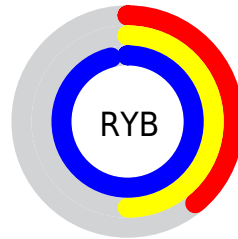
Distribution



Red (39%)

Green (53%)

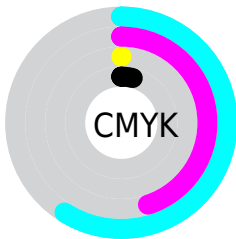
Blue (96%)



Red (39%)

Yellow (50%)

Blue (96%)

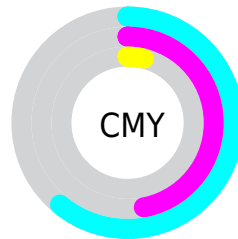


Cyan (59%)

Magenta (45%)

Yellow (0%)

Black (4%)



Cyan (61%)


Magenta (47%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.5689, 0.2073, 0.1821 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 26.5689, 0.2073, 0.1821 by changing the saturation by 10% instead.


 26.5689, 0.2073,
0.1821


 26.5689, 0.2073,
0.1821


285.5637, 0.2619,
0.2536


 17.2497, 0.1938,
0.1657


 54.1913, 0.2272,
0.2071


 10.4127, 0.1769,
0.1459


 73.2633, 0.2347,
0.2168

 5.6734, 0.1554,
0.1216


 96.3551, 0.2410,
0.2252

 2.6475, 0.1276,
0.0921

 123.8510, 0.2464,
0.2324

 0.9506, 0.0922,
0.0579

156.1354, 0.2511,
0.2387

 0.0000, 0.0405,
0.0000

193.5927, 0.2552,

 0.0000, 0.0000,

0.2443

0.0000

236.6074, 0.2587,
0.2492

■ 26.5689, 0.2073,
0.1821

■ 26.5689, 0.2073,
0.1821

■ 20.6658, 0.1903,
0.1537

■ 33.7840, 0.2259,
0.2110

■ 15.9875, 0.1758,
0.1274

■ 42.3850, 0.2450,
0.2391

■ 12.4391, 0.1648,
0.1046

■ 52.4431, 0.2639,
0.2656

■ 9.8966, 0.1575,
0.0865

■ 64.0237, 0.2819,
0.2898

■ 9.6856, 0.1569,
0.0849

■ 77.1881, 0.2987,
0.3115

■ 91.9942, 0.3142,
0.3308

■ 99.3091, 0.3191,
0.3396

Harmonies

Analogous

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



26.5689, 0.1595, 0.1881



26.5689, 0.2073, 0.1821



26.5689, 0.2903, 0.2037

Triad

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



26.5689, 0.2073, 0.1821



26.5689, 0.5143, 0.3785



26.5689, 0.2189, 0.4311

Complementary

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



26.5689, 0.2073, 0.1821



65.7411, 0.4171, 0.4394

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.



26.5689, 0.3062, 0.5148



26.5689, 0.2073, 0.1821



26.5689, 0.4775, 0.4501

Square

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



26.5689, 0.2073, 0.1821



26.5689, 0.4864, 0.3099



26.5689, 0.4001, 0.5100



26.5689, 0.1627, 0.3127

Rectangle

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



26.5689, 0.2073, 0.1821



26.5689, 0.3609, 0.2315



26.5689, 0.4001, 0.5100



26.5689, 0.2456, 0.4673

Sweetspot

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



26.5698, 0.2073, 0.1821



72.1091, 0.2836, 0.2920



71.9404, 0.2553, 0.3749



14.5863, 0.2784, 0.2852



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.



26.5698, 0.2073, 0.1821



21.6170, 0.1869, 0.1478



20.8855, 0.2219, 0.1493



16.5805, 0.2979, 0.3105



5.4460, 0.1576, 0.0874



0.6330, 0.1640, 0.1103

Inverse Universe

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



30.0959, 0.4505, 0.2933



27.4575, 0.4976, 0.2910



79.0035, 0.3703, 0.4824



16.5485, 0.3255, 0.3233



10.6491, 0.5953, 0.3053



0.9515, 0.5605, 0.2861

Previews

White Background



This preview shows how the Yxy color 26.5689, 0.2073, 0.1821 looks on a white background.

Color Contrast Check

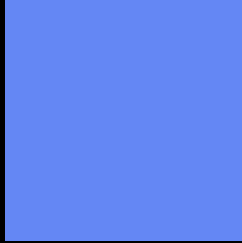
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.5689, 0.2073, 0.1821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

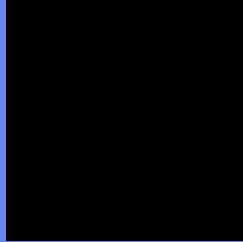
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.5689, 0.2073, 0.1821

Background



This preview shows how black text looks on a background with the Yxy color 26.5689, 0.2073, 0.1821.



This preview shows how white text looks on a background with the Yxy color 26.5689, 0.2073, 0.1821.

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

26.5689, 0.2073, 0.1821

Protanopia

26.7693, 0.2028, 0.1816

Deuteranopia

26.7175, 0.1941, 0.1882



Tritanopia

26.6573, 0.2355, 0.3073

Trichromacy



Original Color

26.5689, 0.2073, 0.1821

Protanomaly

26.5806, 0.2042, 0.1815

Deuteranomaly

26.4322, 0.1978, 0.1846

Tritanomaly

26.0725, 0.2225, 0.2505

Monochromacy



Original Color

26.5689, 0.2073, 0.1821

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.0280, 0.2639, 0.2646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5689, 0.2073, 0.1821 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(100, 135, 244)` looks like.

```
.text, #text, p{  
    color:rgb(100, 135, 244)  
}
```

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(100, 135, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 135, 244) }
```

Border

The CSS property to change the border of an element to Yxy 26.5689, 0.2073, 0.1821 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(100, 135, 244) }
```

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

```
.border{ border-color:rgb(100, 135, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 135, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 135, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 135, 244);  
box-shadow:4px 4px 4px 4px rgb(100, 135,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 26.5689, 0.2073, 0.1821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 135, 244) }
```

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

```
.background{ background-color: rgb(100,  
135, 244) }
```

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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