

Converting Colors

$Y_{xy}(26.5549, 0.2032, 0.1698)$

Have a look what the booklet for
Yxy(26.5549, 0.2032, 0.1698)
contains.

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Color

Yxy(26.5473, 0.2032, 0.1698)

Conversions

Conversions Part 1

Format	Color
Hex	6684FF
RGB	102, 132, 255
RGB Percent	40%, 52%, 100%
CMY	0.6003, 0.4822, 0.0001
CMYK	0.60, 0.48, 0.00, 0.00
HSL	228°, 100%, 70%
HSV	228°, 60%, 100%
XYZ	31.7692, 26.5473, 98.0280
YIQ	137.0520, -57.3630, 31.8930

Conversions

Conversions Part 2

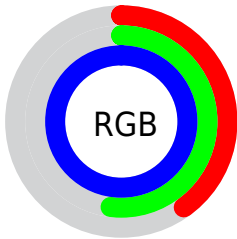
Format	Color
RYB	102, 127, 255
Decimal	6718719
CIELab	58.55, 25.65, -64.58
CIElCh	59, 69.487, 291.661
Yxy	26.5473, 0.2032, 0.1698
Android (android.graphics.Color)	4284908799 (0xFF6684FF)
YUV	137.0520, 58.1484, -30.7406
Hunter-Lab	51.5241, 19.8941, -76.7364

Details

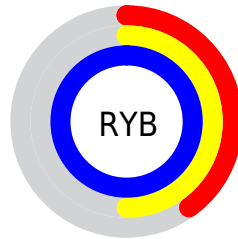
The Yxy color **26.5473, 0.2032, 0.1698** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **75.9875, 0.4148, 0.4470**, and the grayscale version is **24.8253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8104, 0.2509, 0.2465**, and **10.3562, 0.1725, 0.1329** is the 20% darker color. If you saturate the color by 10%, you get **20.2603, 0.1860, 0.1406**, and if you desaturate by 10%, it is **34.3842, 0.2222, 0.2002**.

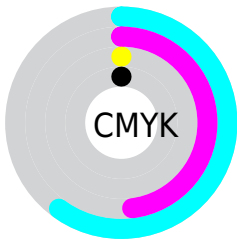
Distribution



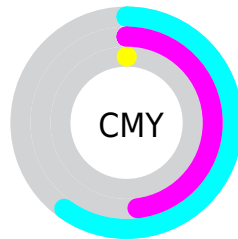
- Red (40%)
- Green (52%)
- Blue (100%)



- Red (40%)
- Yellow (50%)
- Blue (100%)



- Cyan (60%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.5473, 0.2032, 0.1698 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 26.5473, 0.2032, 0.1698 by changing the saturation by 10% instead.


 26.5473, 0.2032,
0.1698


 26.5473, 0.2032,
0.1698


285.4585, 0.2597,
0.2456


 17.2335, 0.1895,
0.1530


 54.1566, 0.2236,
0.1959

 10.4011, 0.1724,
0.1330


 73.2209, 0.2313,
0.2062

 5.6657, 0.1509,
0.1090


 96.3041, 0.2379,
0.2150

 2.6429, 0.1236,
0.0807

123.7907, 0.2435,
0.2227

 0.9483, 0.0895,
0.0491

156.0650, 0.2484,
0.2295

 0.0000, 0.0461,
0.0000

193.5115, 0.2526,

 0.0000, 0.0000,

0.2355

0.0000

236.5145, 0.2564,
0.2408

■ 26.5473, 0.2032,
0.1698

■ 26.5473, 0.2032,
0.1698

■ 20.2603, 0.1860,
0.1406

■ 34.3842, 0.2222,
0.2002

■ 15.4130, 0.1716,
0.1143

■ 43.8655, 0.2419,
0.2302

■ 11.8837, 0.1611,
0.0926

■ 55.0806, 0.2613,
0.2586

■ 9.5120, 0.1546,
0.0766

■ 68.1119, 0.2798,
0.2847

■ 83.0362, 0.2970,
0.3082

99.9259, 0.3127,
0.3290

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



26.5473, 0.1489, 0.1724



26.5473, 0.2032, 0.1698



26.5473, 0.2974, 0.1956

Triad

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



26.5473, 0.2032, 0.1698



26.5473, 0.5344, 0.3854



26.5473, 0.1995, 0.4322

Complementary

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



26.5473, 0.2032, 0.1698



75.9875, 0.4148, 0.4470

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.



26.5473, 0.2920, 0.5365



26.5473, 0.2032, 0.1698



26.5473, 0.4845, 0.4646

Square

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



26.5473, 0.2032, 0.1698



26.5473, 0.5137, 0.3120



26.5473, 0.3950, 0.5334



26.5473, 0.1441, 0.2972

Rectangle

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



26.5473, 0.2032, 0.1698



26.5473, 0.3775, 0.2268



26.5473, 0.3950, 0.5334



26.5473, 0.2273, 0.4763

Sweetspot

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



26.5481, 0.2032, 0.1698



70.9994, 0.2834, 0.2896



79.7198, 0.2513, 0.3662



14.3200, 0.2783, 0.2825



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.



26.5481, 0.2032, 0.1698



19.1977, 0.1829, 0.1351



22.9863, 0.2254, 0.1482



17.9561, 0.2979, 0.3093



5.1346, 0.1552, 0.0788



0.6435, 0.1605, 0.0978

Inverse Universe

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



32.4081, 0.4642, 0.3001



26.8899, 0.5139, 0.2991



86.0191, 0.3657, 0.4881



18.0455, 0.3263, 0.3243



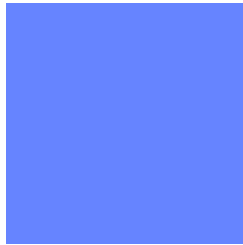
11.2463, 0.6088, 0.3128



1.1095, 0.5792, 0.2965

Previews

White Background



This preview shows how the Yxy color 26.5473, 0.2032, 0.1698 looks on a white background.

Color Contrast Check

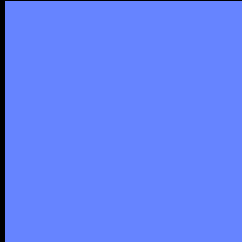
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.5473, 0.2032, 0.1698 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 26.5473, 0.2032, 0.1698

Background



This preview shows how black text looks on a background with the Yxy color 26.5473, 0.2032, 0.1698.



This preview shows how white text looks on a background with the Yxy color 26.5473, 0.2032, 0.1698.

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

26.5473, 0.2032, 0.1698

Protanopia

26.5776, 0.1952, 0.1715

Deuteranopia

26.7924, 0.1839, 0.1783



Tritanopia

26.4912, 0.2331, 0.3071

Trichromacy



Original Color

26.5473, 0.2032, 0.1698

Protanomaly

26.6718, 0.1981, 0.1714

Deuteranomaly

26.1855, 0.1868, 0.1736

Tritanomaly

25.8645, 0.2191, 0.2432

Monochromacy



Original Color

26.5473, 0.2032, 0.1698

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.9083, 0.2605, 0.2574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5473, 0.2032, 0.1698 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(102, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 132, 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(102, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 132, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.5473, 0.2032, 0.1698 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(102, 132, 255) }
```

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

```
.border{ border-color:rgb(102, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 132,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.5473, 0.2032, 0.1698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 132, 255) }
```

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

```
.background{ background-color: rgb(102,  
132, 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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