

Converting Colors

$Y_{xy}(27.8424, 0.2045, 0.1756)$

Have a look what the booklet for
Yxy(27.8424, 0.2045, 0.1756)
contains.

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Color

Yxy(27.9361, 0.2046, 0.1760)

Conversions

Conversions Part 1

Format	Color
Hex	6689FF
RGB	102, 137, 255
RGB Percent	40%, 54%, 100%
CMY	0.6001, 0.4627, 0.0000
CMYK	0.60, 0.46, 0.00, 0.00
HSL	226°, 100%, 70%
HSV	226°, 60%, 100%
XYZ	32.4757, 27.9361, 98.3160
YIQ	139.9870, -58.7380, 29.2780

Conversions

Conversions Part 2

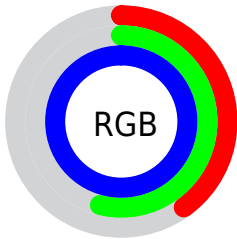
Format	Color
RYB	102, 130, 255
Decimal	6719999
CIELab	59.83, 22.69, -62.57
CIELCh	60, 66.554, 289.936
Yxy	27.9361, 0.2046, 0.1760
Android (android.graphics.Color)	4284910079 (0xFF6689FF)
YUV	139.9870, 56.7014, -33.3146
Hunter-Lab	52.8546, 17.1811, -73.2884

Details

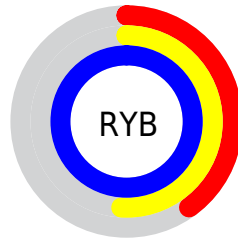
The Yxy color **27.9361, 0.2046, 0.1760** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **73.3849, 0.4178, 0.4429**, and the grayscale version is **26.0094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9394, 0.2518, 0.2526**, and **11.1594, 0.1748, 0.1408** is the 20% darker color. If you saturate the color by 10%, you get **21.5778, 0.1877, 0.1474**, and if you desaturate by 10%, it is **35.7683, 0.2233, 0.2054**.

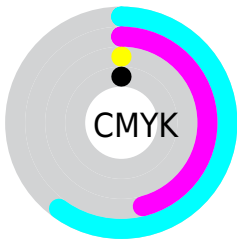
Distribution



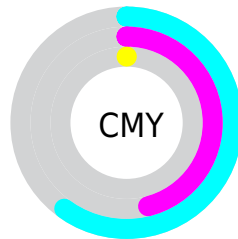
- Red (40%)
- Green (54%)
- Blue (100%)



- Red (40%)
- Yellow (51%)
- Blue (100%)



- Cyan (60%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9361, 0.2046, 0.1760 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 27.9361, 0.2046, 0.1760 by changing the saturation by 10% instead.

 27.9361, 0.2046,
0.1760


 27.9361, 0.2046,
0.1760


292.1615, 0.2600,
0.2490


 18.2775, 0.1912,
0.1597


 56.3824, 0.2246,
0.2012

 11.1494, 0.1745,
0.1401


 75.9389, 0.2321,
0.2111

 6.1674, 0.1535,
0.1165


 99.5635, 0.2386,
0.2197

 2.9471, 0.1268,
0.0884

127.6405, 0.2441,
0.2271

 1.1042, 0.0931,
0.0562

160.5545, 0.2489,
0.2336

 0.0000, 0.0515,
0.0000

198.6897, 0.2530,

 0.0000, 0.0000,

0.2394

0.0000

242.4305, 0.2567,
0.2445

■ 27.9361, 0.2046,
0.1760

■ 27.9361, 0.2046,
0.1760

■ 21.5778, 0.1877,
0.1474

■ 35.7683, 0.2233,
0.2054

■ 16.5984, 0.1735,
0.1212

■ 45.1675, 0.2426,
0.2343

■ 12.8839, 0.1629,
0.0991

■ 56.2143, 0.2617,
0.2615

■ 10.2849, 0.1561,
0.0820

■ 68.9846, 0.2800,
0.2865

■ 83.5494, 0.2970,
0.3090

99.9758, 0.3127,
0.3290

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.



27.9361, 0.1540, 0.1806



27.9361, 0.2046, 0.1760



27.9361, 0.2926, 0.1994

Triad

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



27.9361, 0.2046, 0.1760



27.9361, 0.5243, 0.3813



27.9361, 0.2104, 0.4331

Complementary

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



27.9361, 0.2046, 0.1760



73.3849, 0.4178, 0.4429

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.



27.9361, 0.3005, 0.5256



27.9361, 0.2046, 0.1760



27.9361, 0.4818, 0.4565

Square

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



27.9361, 0.2046, 0.1760



27.9361, 0.4989, 0.3104



27.9361, 0.3989, 0.5207



27.9361, 0.1540, 0.3065

Rectangle

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



27.9361, 0.2046, 0.1760



27.9361, 0.3676, 0.2288



27.9361, 0.3989, 0.5207



27.9361, 0.2377, 0.4728

Sweetspot

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



27.9348, 0.2046, 0.1760



71.7713, 0.2835, 0.2913



79.4726, 0.2535, 0.3727



14.5052, 0.2784, 0.2844



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.



27.9348, 0.2046, 0.1760



20.4826, 0.1846, 0.1420



22.5352, 0.2217, 0.1465



18.0524, 0.2979, 0.3101



5.5582, 0.1568, 0.0844



0.6977, 0.1624, 0.1046

Inverse Universe

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



32.5620, 0.4576, 0.2951



27.0196, 0.5054, 0.2935



86.8034, 0.3693, 0.4861



18.0552, 0.3258, 0.3236



11.2891, 0.5999, 0.3079



1.1150, 0.5690, 0.2908

Previews

White Background



This preview shows how the Yxy color 27.9361, 0.2046, 0.1760 looks on a white background.

Color Contrast Check

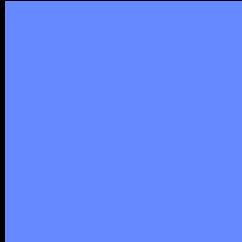
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9361, 0.2046, 0.1760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

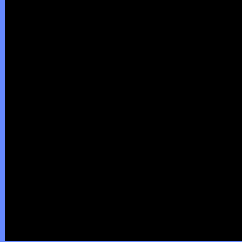
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

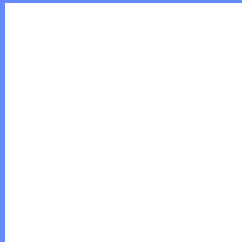
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.9361, 0.2046, 0.1760

Background



This preview shows how black text looks on a background with the Yxy color 27.9361, 0.2046, 0.1760.



This preview shows how white text looks on a background with the Yxy color 27.9361, 0.2046, 0.1760.

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

27.9361, 0.2046, 0.1760

Protanopia

28.1000, 0.1996, 0.1778

Deuteranopia

27.9470, 0.1888, 0.1817



Tritanopia

28.0353, 0.2334, 0.3076

Trichromacy



Original Color

27.9361, 0.2046, 0.1760

Protanomaly

28.0649, 0.2015, 0.1773

Deuteranomaly

27.6951, 0.1926, 0.1786

Tritanomaly

27.5606, 0.2205, 0.2491

Monochromacy



Original Color

27.9361, 0.2046, 0.1760

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.2783, 0.2615, 0.2615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9361, 0.2046, 0.1760 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, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 137, 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, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 137, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.9361, 0.2046, 0.1760 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, 137, 255) }
```

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

```
.border{ border-color:rgb(102, 137, 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, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 137,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9361, 0.2046, 0.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 137, 255) }
```

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

```
.background{ background-color: rgb(102,  
137, 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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