

Converting Colors

$Y_{xy}(27.5778, 0.2043, 0.1744)$

Have a look what the booklet for
Yxy(27.5778, 0.2043, 0.1744)
contains.

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Color

Yxy(27.6531, 0.2043, 0.1748)

Conversions

Conversions Part 1

Format	Color
Hex	6688FF
RGB	102, 136, 255
RGB Percent	40%, 53%, 100%
CMY	0.6005, 0.4665, 0.0001
CMYK	0.60, 0.47, 0.00, 0.00
HSL	227°, 100%, 70%
HSV	227°, 60%, 100%
XYZ	32.3200, 27.6531, 98.2255
YIQ	139.4000, -58.4630, 29.8010

Conversions

Conversions Part 2

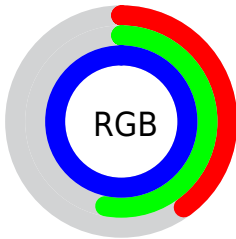
Format	Color
RYB	102, 130, 255
Decimal	6719743
CIELab	59.57, 23.24, -62.95
CIELCh	60, 67.102, 290.264
Yxy	27.6531, 0.2043, 0.1748
Android (android.graphics.Color)	4284909823 (0xFF6688FF)
YUV	139.4000, 56.9908, -32.7998
Hunter-Lab	52.5862, 17.6818, -73.9371

Details

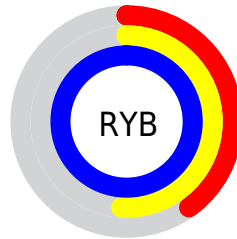
The Yxy color **27.6531, 0.2043, 0.1748** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **73.8327, 0.4173, 0.4437**, and the grayscale version is **25.7657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5077, 0.2516, 0.2514**, and **10.9861, 0.1742, 0.1391** is the 20% darker color. If you saturate the color by 10%, you get **21.3132, 0.1873, 0.1461**, and if you desaturate by 10%, it is **35.4837, 0.2230, 0.2044**.

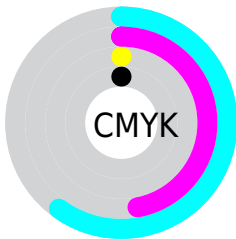
Distribution



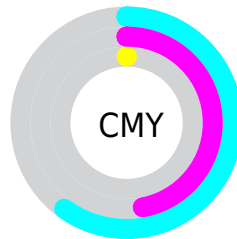
- Red (40%)
- Green (53%)
- Blue (100%)



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



- Cyan (60%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6531, 0.2043, 0.1748 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 27.6531, 0.2043, 0.1748 by changing the saturation by 10% instead.


 27.6531, 0.2043,
0.1748


 27.6531, 0.2043,
0.1748


290.8056, 0.2599,
0.2484


 18.0643, 0.1908,
0.1584


 55.9301, 0.2244,
0.2002

 10.9962, 0.1741,
0.1387


 75.3872, 0.2320,
0.2102

 6.0643, 0.1529,
0.1151


 98.9024, 0.2384,
0.2188

 2.8842, 0.1261,
0.0869

126.8602, 0.2440,
0.2263

 1.0716, 0.0924,
0.0547

159.6451, 0.2488,
0.2328

 0.0000, 0.0503,
0.0000

197.6413, 0.2529,

 0.0000, 0.0000,

0.2386

0.0000

241.2334, 0.2566,
0.2438

■ 27.6531, 0.2043,
0.1748

■ 27.6531, 0.2043,
0.1748

■ 21.3132, 0.1873,
0.1461

■ 35.4837, 0.2230,
0.2044

■ 16.3610, 0.1731,
0.1199

■ 44.8930, 0.2424,
0.2334

■ 12.6830, 0.1626,
0.0978

■ 55.9649, 0.2616,
0.2609

■ 10.1339, 0.1558,
0.0810

■ 68.7765, 0.2799,
0.2861

■ 83.3998, 0.2970,
0.3088

99.9028, 0.3126,
0.3289

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



27.6531, 0.1530, 0.1790



27.6531, 0.2043, 0.1748



27.6531, 0.2935, 0.1986

Triad

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



27.6531, 0.2043, 0.1748



27.6531, 0.5263, 0.3821



27.6531, 0.2083, 0.4330

Complementary

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



27.6531, 0.2043, 0.1748



73.8327, 0.4173, 0.4437

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.



27.6531, 0.2989, 0.5276



27.6531, 0.2043, 0.1748



27.6531, 0.4824, 0.4580

Square

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



27.6531, 0.2043, 0.1748



27.6531, 0.5017, 0.3107



27.6531, 0.3982, 0.5231



27.6531, 0.1521, 0.3048

Rectangle

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



27.6531, 0.2043, 0.1748



27.6531, 0.3694, 0.2284



27.6531, 0.3982, 0.5231



27.6531, 0.2358, 0.4736

Sweetspot

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



27.6540, 0.2043, 0.1748



71.6307, 0.2835, 0.2910



79.4535, 0.2535, 0.3727



14.4714, 0.2784, 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.



27.6540, 0.2043, 0.1748



20.2430, 0.1843, 0.1407



22.5102, 0.2216, 0.1464



18.0349, 0.2979, 0.3100



5.4763, 0.1565, 0.0833



0.6874, 0.1620, 0.1033

Inverse Universe

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



32.5132, 0.4590, 0.2960



26.9954, 0.5069, 0.2945



86.7840, 0.3693, 0.4861



18.0534, 0.3259, 0.3237



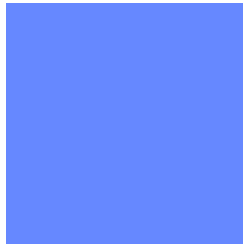
11.2808, 0.6016, 0.3088



1.1139, 0.5709, 0.2919

Previews

White Background



This preview shows how the Yxy color 27.6531, 0.2043, 0.1748 looks on a white background.

Color Contrast Check

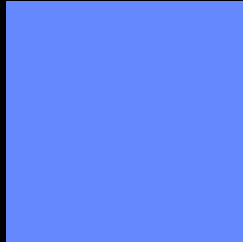
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6531, 0.2043, 0.1748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

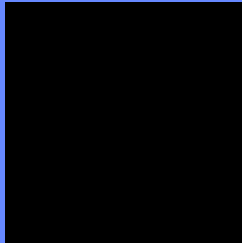
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6531, 0.2043, 0.1748

Background



This preview shows how black text looks on a background with the Yxy color 27.6531, 0.2043, 0.1748.



This preview shows how white text looks on a background with the Yxy color 27.6531, 0.2043, 0.1748.

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

27.6531, 0.2043, 0.1748

Protanopia

27.7115, 0.1985, 0.1762

Deuteranopia

27.8562, 0.1880, 0.1815



Tritanopia

27.6983, 0.2330, 0.3058

Trichromacy



Original Color

27.6531, 0.2043, 0.1748

Protanomaly

27.6723, 0.2003, 0.1757

Deuteranomaly

27.5917, 0.1917, 0.1782

Tritanomaly

27.2428, 0.2201, 0.2474

Monochromacy



Original Color

27.6531, 0.2043, 0.1748

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.8731, 0.2612, 0.2611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6531, 0.2043, 0.1748 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, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 136, 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, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 136, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.6531, 0.2043, 0.1748 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, 136, 255) }
```

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

```
.border{ border-color:rgb(102, 136, 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, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 136, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 136, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 136,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6531, 0.2043, 0.1748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 136, 255) }
```

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

```
.background{ background-color: rgb(102,  
136, 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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