

Converting Colors

$Y_{xy}(28.3909, 0.1934, 0.1402)$

Have a look what the booklet for
Yxy(28.3909, 0.1934, 0.1402)
contains.

Yxy(25.5212, 0.2063, 0.1642)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.5212, 0.2063, 0.1642)

Conversions

Conversions Part 1

Format	Color
Hex	6F7EFF
RGB	111, 126, 255
RGB Percent	44%, 49%, 100%
CMY	0.5647, 0.5059, 0.0000
CMYK	0.56, 0.51, 0.00, 0.00
HSL	234°, 100%, 72%
HSV	234°, 56%, 100%
XYZ	32.0647, 25.5212, 97.8416
YIQ	136.2210, -50.3490, 36.9390

Conversions

Conversions Part 2

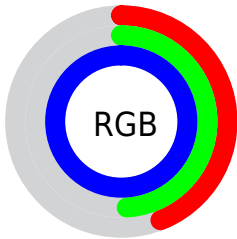
Format	Color
R_{YB}	111, 125, 255
Decimal	7307007
CIE _{Lab}	57.58, 30.92, -66.14
CIE _{LCh}	58, 73.005, 295.054
Yxy	25.5212, 0.2063, 0.1642
Android (android.graphics.Color)	4285497087 (0xFF6F7EFF)
YUV	136.2210, 58.5580, -22.1188
Hunter-Lab	50.5185, 24.8887, -79.4668

Details

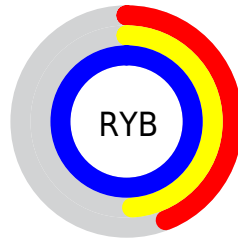
The Yxy color **25.5212, 0.2063, 0.1642** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **84.7187, 0.4016, 0.4521**, and the grayscale version is **24.4985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8314, 0.2550, 0.2392**, and **9.7703, 0.1755, 0.1263** is the 20% darker color. If you saturate the color by 10%, you get **18.9075, 0.1875, 0.1327**, and if you desaturate by 10%, it is **33.9419, 0.2267, 0.1973**.

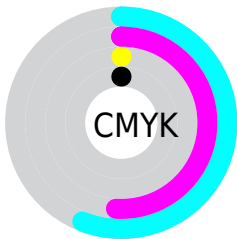
Distribution



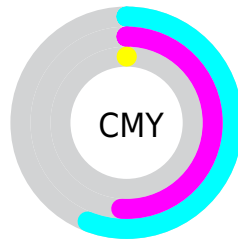
- Red (44%)
- Green (49%)
- Blue (100%)



- Red (44%)
- Yellow (49%)
- Blue (100%)



- Cyan (56%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5212, 0.2063, 0.1642 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 25.5212, 0.2063, 0.1642 by changing the saturation by 10% instead.


 25.5212, 0.2063,
0.1642


 25.5212, 0.2063,
0.1642


280.4237, 0.2618,
0.2422


 16.4658, 0.1927,
0.1471


 52.5015, 0.2265,
0.1909

 9.8544, 0.1757,
0.1268


 71.1952, 0.2341,
0.2015

 5.3025, 0.1542,
0.1027


 93.8704, 0.2405,
0.2106

 2.4258, 0.1267,
0.0746

120.9116, 0.2460,
0.2185

 0.8391, 0.0923,
0.0437

152.7031, 0.2508,
0.2255

 0.0000, 0.0487,
0.0000

189.6294, 0.2549,

 0.0000, 0.0000,

0.2317

0.0000

232.0748, 0.2586,
0.2372

■ 25.5212, 0.2063,
0.1642

■ 25.5212, 0.2063,
0.1642

■ 18.9075, 0.1875,
0.1327

■ 33.9419, 0.2267,
0.1973

■ 13.9650, 0.1716,
0.1051

■ 44.2870, 0.2474,
0.2300

■ 10.5425, 0.1600,
0.0835

■ 56.6666, 0.2673,
0.2609

■ 8.4589, 0.1531,
0.0691

■ 71.1820, 0.2859,
0.2891

■ 7.9848, 0.1516,
0.0657

■ 87.9276, 0.3028,
0.3143

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



25.5212, 0.1459, 0.1630



25.5212, 0.2063, 0.1642



25.5212, 0.3096, 0.1940

Triad

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



25.5212, 0.2063, 0.1642



25.5212, 0.5429, 0.3939



25.5212, 0.1836, 0.4220

Complementary

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



25.5212, 0.2063, 0.1642



84.7187, 0.4016, 0.4521

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.



25.5212, 0.2765, 0.5448



25.5212, 0.2063, 0.1642



25.5212, 0.4817, 0.4778

Square

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



25.5212, 0.2063, 0.1642



25.5212, 0.5328, 0.3176



25.5212, 0.3843, 0.5500



25.5212, 0.1322, 0.2804

Rectangle

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



25.5212, 0.2063, 0.1642



25.5212, 0.3959, 0.2280



25.5212, 0.3843, 0.5500



25.5212, 0.2109, 0.4719

Sweetspot

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



25.5220, 0.2063, 0.1642



70.3636, 0.2850, 0.2877



81.0825, 0.2485, 0.3487



14.4039, 0.2814, 0.2822



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.



25.5220, 0.2063, 0.1642



18.0485, 0.1848, 0.1282



26.7152, 0.2410, 0.1630



17.6823, 0.2979, 0.3070



4.2707, 0.1520, 0.0670



0.5116, 0.1557, 0.0804

Inverse Universe

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



34.1334, 0.4673, 0.3147



28.1483, 0.5190, 0.3141



84.9176, 0.3556, 0.4840



18.0178, 0.3278, 0.3266



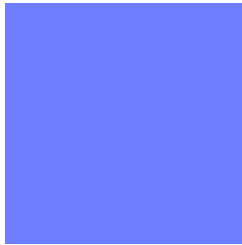
11.1591, 0.6282, 0.3234



1.0962, 0.6063, 0.3114

Previews

White Background



This preview shows how the Yxy color 25.5212, 0.2063, 0.1642 looks on a white background.

Color Contrast Check

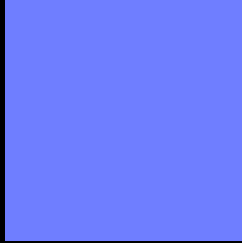
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5212, 0.2063, 0.1642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

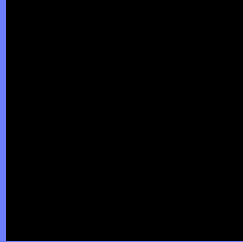
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5212, 0.2063, 0.1642

Background



This preview shows how black text looks on a background with the Yxy color 25.5212, 0.2063, 0.1642.



This preview shows how white text looks on a background with the Yxy color 25.5212, 0.2063, 0.1642.

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

25.5212, 0.2063, 0.1642

Protanopia

25.7260, 0.1920, 0.1680

Deuteranopia

25.5335, 0.1825, 0.1771



Tritanopia

25.5640, 0.2413, 0.3071

Trichromacy



Original Color

25.5212, 0.2063, 0.1642

Protanomaly

25.4788, 0.1961, 0.1660

Deuteranomaly

24.7441, 0.1842, 0.1691

Tritanomaly

25.0646, 0.2257, 0.2417

Monochromacy



Original Color

25.5212, 0.2063, 0.1642

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.2692, 0.2635, 0.2543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5212, 0.2063, 0.1642 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(111, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(111, 126, 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(111, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 126, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.5212, 0.2063, 0.1642 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(111, 126, 255) }
```

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

```
.border{ border-color:rgb(111, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(111, 126,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5212, 0.2063, 0.1642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 126, 255) }
```

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

```
.background{ background-color: rgb(111,  
126, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor