

Converting Colors

$Y_{xy}(25.1687, 0.2018, 0.1633)$

Have a look what the booklet for
Yxy(25.1687, 0.2018, 0.1633)
contains.

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Color

Yxy(25.2235, 0.2018, 0.1636)

Conversions

Conversions Part 1

Format	Color
Hex	667FFF
RGB	102, 127, 255
RGB Percent	40%, 50%, 100%
CMY	0.6003, 0.5019, 0.0000
CMYK	0.60, 0.50, 0.00, 0.00
HSL	230°, 100%, 70%
HSV	230°, 60%, 100%
XYZ	31.1131, 25.2235, 97.8413
YIQ	134.1170, -55.9880, 34.5080

Conversions

Conversions Part 2

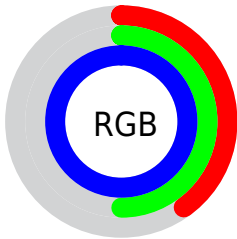
Format	Color
RYB	102, 123, 255
Decimal	6717439
CIELab	57.29, 28.68, -66.63
CIElCh	57, 72.539, 293.285
Yxy	25.2235, 0.2018, 0.1636
Android (android.graphics.Color)	4284907519 (0xFF667FFF)
YUV	134.1170, 59.5953, -28.1666
Hunter-Lab	50.2230, 22.6903, -80.3489

Details

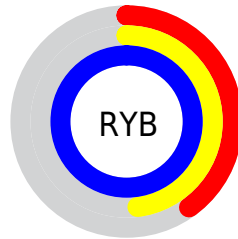
The Yxy color **25.2235, 0.2018, 0.1636** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **78.7638, 0.4118, 0.4510**, and the grayscale version is **23.6736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3527, 0.2499, 0.2392**, and **9.7518, 0.1707, 0.1268** is the 20% darker color. If you saturate the color by 10%, you get **19.0197, 0.1843, 0.1338**, and if you desaturate by 10%, it is **33.0511, 0.2212, 0.1949**.

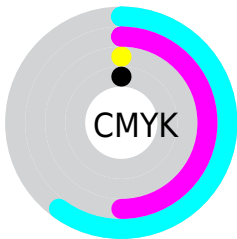
Distribution



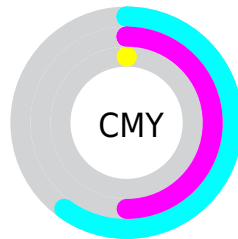
- Red (40%)
- Green (50%)
- Blue (100%)



- Red (40%)
- Yellow (48%)
- Blue (100%)



- Cyan (60%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2235, 0.2018, 0.1636 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 25.2235, 0.2018, 0.1636 by changing the saturation by 10% instead.


 25.2235, 0.2018,
0.1636


 25.2235, 0.2018,
0.1636


278.9492, 0.2594,
0.2421


 16.2436, 0.1878,
0.1464


 52.0196, 0.2227,
0.1905

 9.6967, 0.1703,
0.1259


 70.6046, 0.2306,
0.2011

 5.1983, 0.1483,
0.1016


 93.1601, 0.2372,
0.2103

 2.3641, 0.1205,
0.0734

120.0705, 0.2430,
0.2183

 0.8073, 0.0860,
0.0425

151.7203, 0.2479,
0.2254

 0.0000, 0.0407,
0.0000

188.4937, 0.2522,

 0.0000, 0.0000,

0.2316

0.0000

230.7752, 0.2560,
0.2371

■ 25.2235, 0.2018,
0.1636

■ 25.2235, 0.2018,
0.1636

■ 19.0197, 0.1843,
0.1338

■ 33.0511, 0.2212,
0.1949

■ 14.3210, 0.1699,
0.1076

■ 42.6072, 0.2413,
0.2260

■ 10.9932, 0.1595,
0.0866

■ 53.9887, 0.2610,
0.2556

■ 8.8611, 0.1534,
0.0720

■ 67.2850, 0.2797,
0.2828

■ 82.5793, 0.2970,
0.3073

99.9501, 0.3127,
0.3289

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.



25.2235, 0.1438, 0.1642



25.2235, 0.2018, 0.1636



25.2235, 0.3025, 0.1917

Triad

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



25.2235, 0.2018, 0.1636



25.2235, 0.5441, 0.3892



25.2235, 0.1884, 0.4308

Complementary

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



25.2235, 0.2018, 0.1636



78.7638, 0.4118, 0.4510

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.



25.2235, 0.2829, 0.5480



25.2235, 0.2018, 0.1636



25.2235, 0.4864, 0.4727

Square

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



25.2235, 0.2018, 0.1636



25.2235, 0.5289, 0.3134



25.2235, 0.3905, 0.5466



25.2235, 0.1343, 0.2875

Rectangle

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



25.2235, 0.2018, 0.1636



25.2235, 0.3880, 0.2248



25.2235, 0.3905, 0.5466



25.2235, 0.2164, 0.4796

Sweetspot

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



25.2239, 0.2018, 0.1636



70.2212, 0.2833, 0.2880



80.0252, 0.2492, 0.3597



14.1335, 0.2781, 0.2805



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.



25.2239, 0.2018, 0.1636



17.9775, 0.1812, 0.1283



23.4770, 0.2293, 0.1499



17.8585, 0.2979, 0.3085



4.7706, 0.1539, 0.0739



0.5942, 0.1587, 0.0914

Inverse Universe

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



32.2819, 0.4709, 0.3052



26.7667, 0.5224, 0.3047



85.3121, 0.3622, 0.4901



18.0356, 0.3268, 0.3251



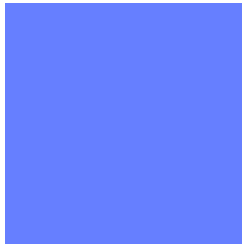
11.2096, 0.6168, 0.3171



1.1045, 0.5890, 0.3018

Previews

White Background



This preview shows how the Yxy color 25.2235, 0.2018, 0.1636 looks on a white background.

Color Contrast Check

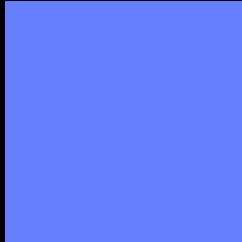
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2235, 0.2018, 0.1636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

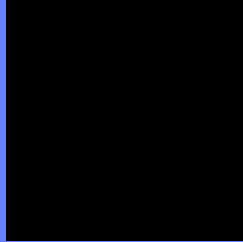
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2235, 0.2018, 0.1636

Background



This preview shows how black text looks on a background with the Yxy color 25.2235, 0.2018, 0.1636.



This preview shows how white text looks on a background with the Yxy color 25.2235, 0.2018, 0.1636.

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

25.2235, 0.2018, 0.1636

Protanopia

25.3728, 0.1909, 0.1664

Deuteranopia

25.1191, 0.1826, 0.1773



Tritanopia

25.0333, 0.2323, 0.3049

Trichromacy



Original Color

25.2235, 0.2018, 0.1636

Protanomaly

25.2916, 0.1944, 0.1654

Deuteranomaly

24.5608, 0.1841, 0.1705

Tritanomaly

24.5311, 0.2180, 0.2389

Monochromacy



Original Color

25.2235, 0.2018, 0.1636

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.5845, 0.2595, 0.2532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2235, 0.2018, 0.1636 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, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 127, 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, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.2235, 0.2018, 0.1636 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, 127, 255) }
```

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

```
.border{ border-color:rgb(102, 127, 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, 127, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 127,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2235, 0.2018, 0.1636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 127, 255) }
```

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

```
.background{ background-color: rgb(102,  
127, 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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