

Converting Colors

$Y_{xy}(25.5580, 0.2015, 0.1653)$

Have a look what the booklet for
Yxy(25.5580, 0.2015, 0.1653)
contains.

Yxy(25.6298, 0.2014, 0.1657)	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(25.6298, 0.2014, 0.1657)

Conversions

Conversions Part 1

Format	Color
Hex	6481FF
RGB	100, 129, 255
RGB Percent	39%, 51%, 100%
CMY	0.6079, 0.4941, 0.0001
CMYK	0.61, 0.49, 0.00, 0.00
HSL	229°, 100%, 70%
HSV	229°, 61%, 100%
XYZ	31.1517, 25.6298, 97.8944
YIQ	134.6930, -57.7300, 33.0380

Conversions

Conversions Part 2

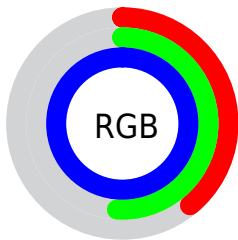
Format	Color
RYB	100, 124, 255
Decimal	6586879
CIELab	57.68, 27.13, -65.99
CIELCh	58, 71.350, 292.349
Yxy	25.6298, 0.2014, 0.1657
Android (android.graphics.Color)	4284776959 (0xFF6481FF)
YUV	134.6930, 59.3114, -30.4258
Hunter-Lab	50.6259, 21.2415, -79.2099

Details

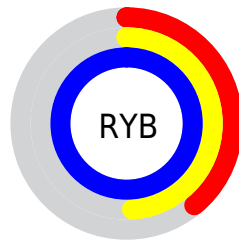
The Yxy color **25.6298, 0.2014, 0.1657** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **76.5485, 0.4151, 0.4493**, and the grayscale version is **23.9021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3573, 0.2492, 0.2426**, and **9.8331, 0.1699, 0.1278** is the 20% darker color. If you saturate the color by 10%, you get **19.4796, 0.1843, 0.1365**, and if you desaturate by 10%, it is **33.3435, 0.2204, 0.1963**.

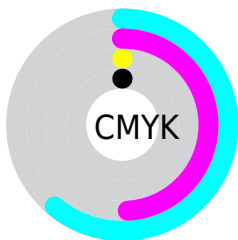
Distribution



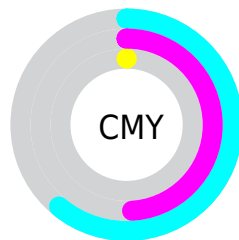
- Red (39%)
- Green (51%)
- Blue (100%)



- Red (39%)
- Yellow (49%)
- Blue (100%)



- Cyan (61%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6298, 0.2014, 0.1657 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 25.6298, 0.2014, 0.1657 by changing the saturation by 10% instead.


 25.6298, 0.2014,
0.1657


 25.6298, 0.2014,
0.1657


280.9600, 0.2590,
0.2433


 16.5469, 0.1874,
0.1486


 52.6771, 0.2222,
0.1924

 9.9120, 0.1700,
0.1282


 71.4103, 0.2301,
0.2029

 5.3406, 0.1480,
0.1040


 94.1291, 0.2368,
0.2120

 2.4485, 0.1203,
0.0757

121.2178, 0.2426,
0.2199

 0.8507, 0.0860,
0.0446

153.0608, 0.2475,
0.2268

 0.0000, 0.0410,
0.0000

190.0426, 0.2518,

 0.0000, 0.0000,

0.2330

0.0000

232.5476, 0.2556,
0.2384

■ 25.6298, 0.2014,
0.1657

■ 25.6298, 0.2014,
0.1657

■ 19.4796, 0.1843,
0.1365

■ 33.3435, 0.2204,
0.1963

■ 14.7791, 0.1702,
0.1105

■ 42.7183, 0.2402,
0.2267

■ 11.4017, 0.1600,
0.0894

■ 53.8467, 0.2598,
0.2556

■ 9.3110, 0.1542,
0.0752

■ 66.8132, 0.2784,
0.2822

■ 81.6970, 0.2958,
0.3062

98.5725, 0.3115,
0.3274

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



25.6298, 0.1452, 0.1674



25.6298, 0.2014, 0.1657



25.6298, 0.2992, 0.1926

Triad

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



25.6298, 0.2014, 0.1657



25.6298, 0.5409, 0.3869



25.6298, 0.1934, 0.4331

Complementary

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



25.6298, 0.2014, 0.1657



76.5485, 0.4151, 0.4493

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.



25.6298, 0.2875, 0.5444



25.6298, 0.2014, 0.1657



25.6298, 0.4867, 0.4688

Square

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



25.6298, 0.2014, 0.1657



25.6298, 0.5226, 0.3121



25.6298, 0.3935, 0.5411



25.6298, 0.1382, 0.2925

Rectangle

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



25.6298, 0.2014, 0.1657



25.6298, 0.3826, 0.2249



25.6298, 0.3935, 0.5411



25.6298, 0.2215, 0.4800

Sweetspot

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



25.6306, 0.2014, 0.1657



70.7738, 0.2834, 0.2892



79.5962, 0.2509, 0.3667



14.2659, 0.2782, 0.2819



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.



25.6306, 0.2014, 0.1657



18.3202, 0.1808, 0.1304



22.4876, 0.2241, 0.1459



17.9278, 0.2979, 0.3091



5.0226, 0.1548, 0.0773



0.6287, 0.1600, 0.0959

Inverse Universe

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



31.9543, 0.4693, 0.3014



26.4912, 0.5207, 0.3009



85.9065, 0.3661, 0.4899



18.0426, 0.3265, 0.3246



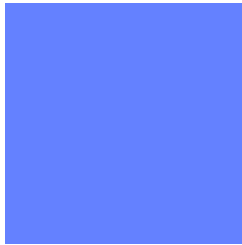
11.2350, 0.6113, 0.3141



1.1080, 0.5821, 0.2980

Previews

White Background



This preview shows how the Yxy color 25.6298, 0.2014, 0.1657 looks on a white background.

Color Contrast Check

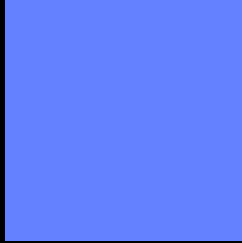
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6298, 0.2014, 0.1657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

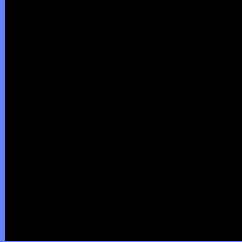
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6298, 0.2014, 0.1657

Background



This preview shows how black text looks on a background with the Yxy color 25.6298, 0.2014, 0.1657.



This preview shows how white text looks on a background with the Yxy color 25.6298, 0.2014, 0.1657.

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

25.6298, 0.2014, 0.1657

Protanopia

25.7661, 0.1923, 0.1681

Deuteranopia

25.5335, 0.1825, 0.1771



Tritanopia

25.6183, 0.2312, 0.3068

Trichromacy



Original Color

25.6298, 0.2014, 0.1657

Protanomaly

25.6073, 0.1951, 0.1668

Deuteranomaly

24.9484, 0.1839, 0.1702

Tritanomaly

25.0082, 0.2173, 0.2420

Monochromacy



Original Color

25.6298, 0.2014, 0.1657

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.1673, 0.2591, 0.2551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6298, 0.2014, 0.1657 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(100, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 129, 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(100, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 129, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.6298, 0.2014, 0.1657 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(100, 129, 255) }
```

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

```
.border{ border-color:rgb(100, 129, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 129, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 129, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 129, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 129,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6298, 0.2014, 0.1657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 129, 255) }
```

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

```
.background{ background-color: rgb(100,  
129, 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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