

Converting Colors

$Y_{xy}(24.7592, 0.2025, 0.1612)$

Have a look what the booklet for
Yxy(24.7592, 0.2025, 0.1612)
contains.

Yxy(24.8905, 0.2028, 0.1618)	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(24.8905, 0.2028, 0.1618)

Conversions

Conversions Part 1

Format	Color
Hex	697DFF
RGB	105, 125, 255
RGB Percent	41%, 49%, 100%
CMY	0.5886, 0.5097, 0.0001
CMYK	0.59, 0.51, 0.00, 0.00
HSL	232°, 100%, 71%
HSV	232°, 59%, 100%
XYZ	31.1977, 24.8905, 97.7467
YIQ	133.8400, -53.6500, 36.1900

Conversions

Conversions Part 2

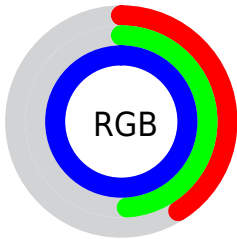
Format	Color
RYB	105, 123, 255
Decimal	6913535
CIELab	56.97, 30.38, -67.13
CIELCh	57, 73.683, 294.353
Yxy	24.8905, 0.2028, 0.1618
Android (android.graphics.Color)	4285103615 (0xFF697DFF)
YUV	133.8400, 59.7319, -25.2927
Hunter-Lab	49.8904, 24.3125, -81.2395

Details

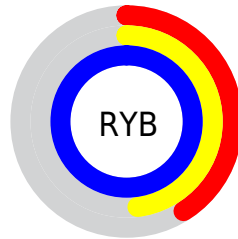
The Yxy color **24.8905, 0.2028, 0.1618** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **81.6084, 0.4074, 0.4527**, and the grayscale version is **23.5657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8798, 0.2515, 0.2372**, and **9.5586, 0.1716, 0.1246** is the 20% darker color. If you saturate the color by 10%, you get **18.5893, 0.1848, 0.1313**, and if you desaturate by 10%, it is **32.8982, 0.2227, 0.1940**.

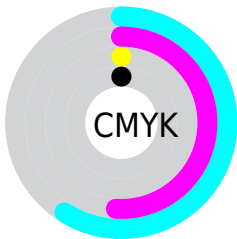
Distribution



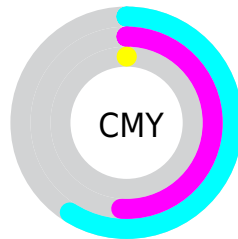
- Red (41%)
- Green (49%)
- Blue (100%)



- Red (41%)
- Yellow (48%)
- Blue (100%)



- Cyan (59%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8905, 0.2028, 0.1618 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 24.8905, 0.2028, 0.1618 by changing the saturation by 10% instead.


 24.8905, 0.2028,
0.1618


 24.8905, 0.2028,
0.1618


277.2922, 0.2601,
0.2410


 15.9955, 0.1888,
0.1445


 51.4795, 0.2236,
0.1889

 9.5210, 0.1713,
0.1239


 69.9423, 0.2314,
0.1996

 5.0825, 0.1493,
0.0996


 92.3632, 0.2381,
0.2089

 2.2958, 0.1215,
0.0715

119.1265, 0.2438,
0.2170

 0.7715, 0.0868,
0.0407

150.6167, 0.2487,
0.2241

 0.0000, 0.0415,
0.0000

187.2181, 0.2530,

 0.0000, 0.0000,

0.2304

0.0000

229.3151, 0.2567,
0.2360

■ 24.8905, 0.2028,
0.1618

■ 24.8905, 0.2028,
0.1618

■ 18.5893, 0.1848,
0.1313

■ 32.8982, 0.2227,
0.1940

■ 13.8662, 0.1699,
0.1047

■ 42.7233, 0.2431,
0.2259

■ 10.5779, 0.1591,
0.0838

■ 54.4697, 0.2630,
0.2563

■ 8.5427, 0.1529,
0.0697

■ 68.2330, 0.2817,
0.2842

■ 8.3730, 0.1524,
0.0685

■ 84.1022, 0.2989,
0.3093

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



24.8905, 0.1428, 0.1612



24.8905, 0.2028, 0.1618



24.8905, 0.3065, 0.1912

Triad

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



24.8905, 0.2028, 0.1618



24.8905, 0.5468, 0.3918



24.8905, 0.1832, 0.4274

Complementary

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



24.8905, 0.2028, 0.1618



81.6084, 0.4074, 0.4527

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.



24.8905, 0.2778, 0.5508



24.8905, 0.2028, 0.1618



24.8905, 0.4854, 0.4769

Square

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



24.8905, 0.2028, 0.1618



24.8905, 0.5351, 0.3151



24.8905, 0.3869, 0.5521



24.8905, 0.1304, 0.2820

Rectangle

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



24.8905, 0.2028, 0.1618



24.8905, 0.3941, 0.2252



24.8905, 0.3869, 0.5521



24.8905, 0.2111, 0.4781

Sweetspot

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



24.8913, 0.2028, 0.1618



69.5201, 0.2833, 0.2865



80.3552, 0.2489, 0.3559



13.9659, 0.2780, 0.2787



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.



24.8913, 0.2028, 0.1618



17.4510, 0.1813, 0.1252



24.5154, 0.2333, 0.1542



17.7702, 0.2979, 0.3077



4.4956, 0.1528, 0.0702



0.5529, 0.1572, 0.0860

Inverse Universe

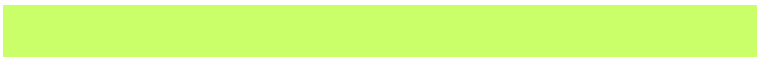
The Inverse Universe completely reimagines the original color for something new.



32.8220, 0.4719, 0.3099



27.0369, 0.5255, 0.3095



85.1425, 0.3600, 0.4882



18.0267, 0.3273, 0.3258



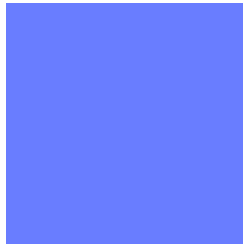
11.1818, 0.6230, 0.3206



1.1004, 0.5975, 0.3065

Previews

White Background



This preview shows how the Yxy color 24.8905, 0.2028, 0.1618 looks on a white background.

Color Contrast Check

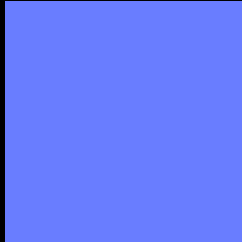
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8905, 0.2028, 0.1618 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 24.8905, 0.2028, 0.1618

Background



This preview shows how black text looks on a background with the Yxy color 24.8905, 0.2028, 0.1618.



This preview shows how white text looks on a background with the Yxy color 24.8905, 0.2028, 0.1618.

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

24.8905, 0.2028, 0.1618

Protanopia

25.0246, 0.1899, 0.1649

Deuteranopia

24.9969, 0.1831, 0.1790



Tritanopia

24.8079, 0.2355, 0.3067

Trichromacy



Original Color

24.8905, 0.2028, 0.1618

Protanomaly

24.7595, 0.1938, 0.1628

Deuteranomaly

24.2396, 0.1842, 0.1700

Tritanomaly

24.3586, 0.2202, 0.2389

Monochromacy



Original Color

24.8905, 0.2028, 0.1618

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.6579, 0.2604, 0.2533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8905, 0.2028, 0.1618 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(105, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 125, 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(105, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 125, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.8905, 0.2028, 0.1618 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(105, 125, 255) }
```

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

```
.border{ border-color:rgb(105, 125, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 125,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8905, 0.2028, 0.1618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 125, 255) }
```

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

```
.background{ background-color: rgb(105,  
125, 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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