

Converting Colors

$Y_{xy}(24.6563, 0.2148, 0.1662)$

Have a look what the booklet for
Yxy(24.6563, 0.2148, 0.1662)
contains.

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Color

Yxy(24.5896, 0.2145, 0.1658)

Conversions

Conversions Part 1

Format	Color
Hex	7A79F8
RGB	122, 121, 248
RGB Percent	48%, 47%, 97%
CMY	0.5215, 0.5255, 0.0273
CMYK	0.51, 0.51, 0.00, 0.03
HSL	240°, 90%, 72%
HSV	240°, 51%, 97%
XYZ	31.8122, 24.5896, 91.9070
YIQ	135.7770, -40.1710, 39.7090

Conversions

Conversions Part 2

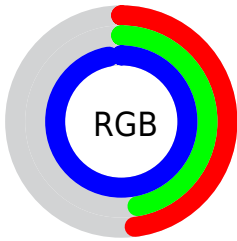
Format	Color
R _Y B	122, 121, 248
Decimal	8026616
CIE Lab	56.67, 33.91, -63.71
CIE LCh	57, 72.175, 298.020
Yxy	24.5896, 0.2145, 0.1658
Android (android.graphics.Color)	4286216696 (0xFF7A79F8)
YUV	135.7770, 55.3259, -12.0824
Hunter-Lab	49.5879, 27.7347, -75.1775

Details

The Yxy color **24.5896, 0.2145, 0.1658** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **88.3149, 0.3869, 0.4532**, and the grayscale version is **24.3344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9309, 0.2604, 0.2348**, and **9.3261, 0.1847, 0.1274** is the 20% darker color. If you saturate the color by 10%, you get **17.7433, 0.1939, 0.1317**, and if you desaturate by 10%, it is **33.4414, 0.2361, 0.2017**.

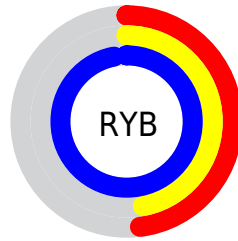
Distribution



Red (48%)

Green (47%)

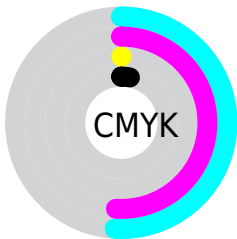
Blue (97%)



Red (48%)

Yellow (47%)

Blue (97%)

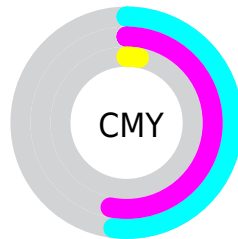


Cyan (51%)

Magenta (51%)

Yellow (0%)

Black (3%)



Cyan (52%)


Magenta (53%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5896, 0.2145, 0.1658 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 24.5896, 0.2145, 0.1658 by changing the saturation by 10% instead.


 24.5896, 0.2145,
0.1658


 24.5896, 0.2145,
0.1658

275.7879, 0.2666,
0.2435


 15.7716, 0.2014,
0.1486


 50.9906, 0.2337,
0.1926

 9.3626, 0.1848,
0.1281


 69.3424, 0.2409,
0.2031

 4.9785, 0.1636,
0.1036


 91.6410, 0.2469,
0.2121

 2.2346, 0.1360,
0.0749

118.2706, 0.2520,
0.2201

 0.7388, 0.1005,
0.0428

149.6157, 0.2564,
0.2270

 0.0000, 0.0531,
0.0000

186.0607, 0.2603,

 0.0000, 0.0000,

0.2331

0.0000

227.9899, 0.2637,
0.2386

■ 24.5896, 0.2145,
0.1658

■ 24.5896, 0.2145,
0.1658

■ 17.7433, 0.1939,
0.1317

■ 33.4414, 0.2361,
0.2017

■ 12.7438, 0.1759,
0.1021

■ 44.4362, 0.2574,
0.2369

■ 9.4124, 0.1622,
0.0796

■ 57.7019, 0.2772,
0.2699

■ 7.5342, 0.1537,
0.0658

■ 73.3560, 0.2951,
0.2997

■ 6.7926, 0.1502,
0.0601

■ 91.5077, 0.3109,
0.3260

99.5597, 0.3167,
0.3357

Harmonies

Analogous

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



24.5896, 0.1500, 0.1616



24.5896, 0.2145, 0.1658



24.5896, 0.3219, 0.1983

Triad

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



24.5896, 0.2145, 0.1658



24.5896, 0.5396, 0.4019



24.5896, 0.1763, 0.4067

Complementary

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



24.5896, 0.2145, 0.1658



88.3149, 0.3869, 0.4532

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.



24.5896, 0.2661, 0.5375



24.5896, 0.2145, 0.1658



24.5896, 0.4733, 0.4863

Square

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



24.5896, 0.2145, 0.1658



24.5896, 0.5380, 0.3248



24.5896, 0.3738, 0.5545



24.5896, 0.1294, 0.2693

Rectangle

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



24.5896, 0.2145, 0.1658



24.5896, 0.4089, 0.2338



24.5896, 0.3738, 0.5545



24.5896, 0.2022, 0.4577

Sweetspot

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



24.5904, 0.2145, 0.1658



71.4776, 0.2886, 0.2887



78.0021, 0.2462, 0.3288



14.5443, 0.2848, 0.2825



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.



24.5904, 0.2145, 0.1658



18.9789, 0.1941, 0.1321



30.7056, 0.2618, 0.1840



16.6497, 0.2980, 0.3045



3.6709, 0.1503, 0.0601



0.3423, 0.1509, 0.0605

Inverse Universe

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



40.3517, 0.3194, 0.2067



37.4086, 0.3205, 0.1885



78.7923, 0.3429, 0.4746



17.5220, 0.3139, 0.3058



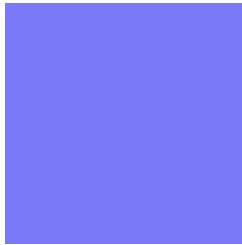
14.3759, 0.3229, 0.1553



1.3322, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 24.5896, 0.2145, 0.1658 looks on a white background.

Color Contrast Check

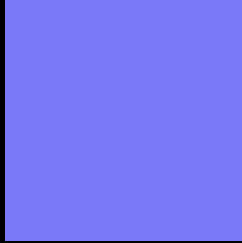
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5896, 0.2145, 0.1658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

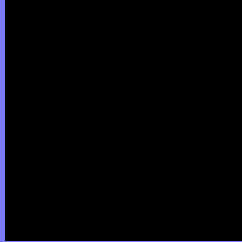
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5896, 0.2145, 0.1658

Background



This preview shows how black text looks on a background with the Yxy color 24.5896, 0.2145, 0.1658.



This preview shows how white text looks on a background with the Yxy color 24.5896, 0.2145, 0.1658.

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

24.5896, 0.2145, 0.1658

Protanopia

24.7178, 0.1893, 0.1635

Deuteranopia

24.8278, 0.1839, 0.1780



Tritanopia

24.6402, 0.2559, 0.3090

Trichromacy



Original Color

24.5896, 0.2145, 0.1658

Protanomaly

24.2817, 0.1963, 0.1633

Deuteranomaly

23.9073, 0.1881, 0.1710

Tritanomaly

24.2255, 0.2382, 0.2435

Monochromacy



Original Color

24.5896, 0.2145, 0.1658

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.2322, 0.2687, 0.2562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5896, 0.2145, 0.1658 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(122, 121, 248)` looks like.

```
.text, #text, p{  
    color:rgb(122, 121, 248)  
}
```

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(122, 121, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 121, 248) }
```

Border

The CSS property to change the border of an element to Yxy 24.5896, 0.2145, 0.1658 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(122, 121, 248) }
```

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

```
.border{ border-color:rgb(122, 121, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 121, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 121, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 121, 248); box-shadow:4px 4px 4px 4px rgb(122, 121, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5896, 0.2145, 0.1658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 121, 248) }
```

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

```
.background{ background-color: rgb(122,  
121, 248) }
```

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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