

Converting Colors

$Y_{xy}(20.4611, 0.2530, 0.1799)$

Have a look what the booklet for
Yxy(20.4611, 0.2530, 0.1799)
contains.

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Color

Yxy(20.5521, 0.2528, 0.1801)

Conversions

Conversions Part 1

Format	Color
Hex	9466D4
RGB	148, 102, 212
RGB Percent	58%, 40%, 83%
CMY	0.4195, 0.6000, 0.1687
CMYK	0.30, 0.52, 0.00, 0.17
HSL	265°, 56%, 62%
HSV	265°, 52%, 83%
XYZ	28.8483, 20.5521, 64.7146
YIQ	128.2940, -7.8940, 43.9620

Conversions

Conversions Part 2

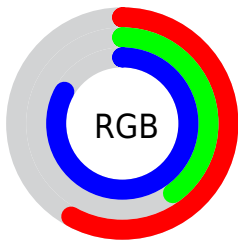
Format	Color
RYB	148, 102, 212
Decimal	9725652
CIELab	52.46, 40.95, -50.13
CIELCh	52, 64.729, 309.246
Yxy	20.5521, 0.2528, 0.1801
Android (android.graphics.Color)	4287915732 (0xFF9466D4)
YUV	128.2940, 41.2671, 17.2822
Hunter-Lab	45.3344, 34.2520, -52.9020

Details

The Yxy color **20.5521, 0.2528, 0.1801** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **56.1326, 0.3500, 0.4717**, and the grayscale version is **21.5511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3103, 0.2764, 0.2185**, and **7.3077, 0.2289, 0.1409** is the 20% darker color. If you saturate the color by 10%, you get **15.8167, 0.2379, 0.1510**, and if you desaturate by 10%, it is **26.4764, 0.2671, 0.2107**.

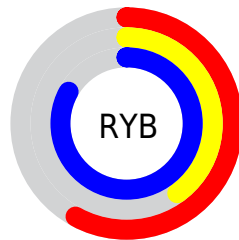
Distribution



Red (58%)

Green (40%)

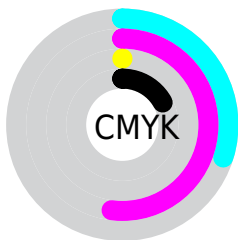
Blue (83%)



Red (58%)

Yellow (40%)

Blue (83%)

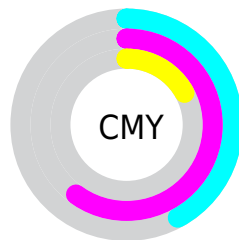


Cyan (30%)

Magenta (52%)

Yellow (0%)

Black (17%)



Cyan (42%)


Magenta (60%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5521, 0.2528, 0.1801 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 20.5521, 0.2528, 0.1801 by changing the saturation by 10% instead.


 20.5521, 0.2528,
0.1801


 20.5521, 0.2528,
0.1801


254.8885, 0.2875,
0.2540


 12.7970, 0.2429,
0.1626


 44.3409, 0.2664,
0.2064

 7.2889, 0.2295,
0.1411


 61.1434, 0.2713,
0.2165

 3.6434, 0.2109,
0.1144


 81.7305, 0.2752,
0.2251

 1.4762, 0.1841,
0.0816

 106.4865, 0.2785,
0.2325

 0.2719, 0.1463,
0.0299

135.7960, 0.2813,
0.2389

 0.0000, 0.0529,
0.0000

170.0432, 0.2837,

 0.0000, 0.0000,

0.2446

0.0000

209.6125, 0.2857,
0.2496

■ 20.5521, 0.2528,
0.1801

■ 20.5521, 0.2528,
0.1801

■ 15.8167, 0.2379,
0.1510

■ 26.4764, 0.2671,
0.2107

■ 12.1813, 0.2229,
0.1251

■ 33.6651, 0.2802,
0.2414

■ 9.5474, 0.2086,
0.1040

■ 42.1900, 0.2920,
0.2710

■ 7.7968, 0.1958,
0.0887

■ 52.1167, 0.3023,
0.2989

■ 6.8622, 0.1866,
0.0802

■ 63.5064, 0.3112,
0.3245

■ 76.4167, 0.3188,
0.3477

■ 90.9019, 0.3251,
0.3685

■ 95.9785, 0.3327,
0.3718

■ 97.5320, 0.3382,
0.3711

Harmonies

Analogous

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



20.5521, 0.1746, 0.1655



20.5521, 0.2528, 0.1801



20.5521, 0.3682, 0.2213

Triad

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



20.5521, 0.2528, 0.1801



20.5521, 0.5138, 0.4318



20.5521, 0.1598, 0.3497

Complementary

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



20.5521, 0.2528, 0.1801



56.1326, 0.3500, 0.4717

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.



20.5521, 0.2332, 0.4886



20.5521, 0.2528, 0.1801



20.5521, 0.4358, 0.5106

Square

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



20.5521, 0.2528, 0.1801



20.5521, 0.5387, 0.3540



20.5521, 0.3346, 0.5511



20.5521, 0.1293, 0.2378

Rectangle

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



20.5521, 0.2528, 0.1801



20.5521, 0.4492, 0.2607



20.5521, 0.3346, 0.5511



20.5521, 0.1796, 0.3972

Sweetspot

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



20.5529, 0.2528, 0.1801



72.4495, 0.2981, 0.2872



34.9033, 0.2327, 0.2618



14.8389, 0.2959, 0.2814



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.



20.5529, 0.2528, 0.1801



23.5453, 0.2367, 0.1489



26.9237, 0.3088, 0.2018



12.2601, 0.3046, 0.3054



4.2936, 0.1881, 0.0810



0.3070, 0.2078, 0.0918

Inverse Universe

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



26.2461, 0.3725, 0.2522



33.4575, 0.3912, 0.2394



51.4220, 0.3105, 0.4911



12.5407, 0.3201, 0.3155



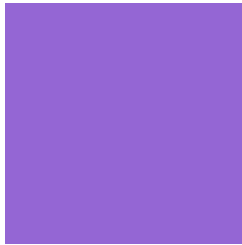
9.5484, 0.4607, 0.2312



0.5923, 0.4301, 0.2143

Previews

White Background



This preview shows how the Yxy color 20.5521, 0.2528, 0.1801 looks on a white background.

Color Contrast Check

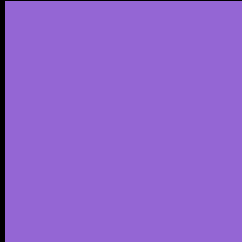
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5521, 0.2528, 0.1801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

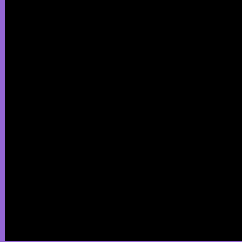
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5521, 0.2528, 0.1801

Background



This preview shows how black text looks on a background with the Yxy color 20.5521, 0.2528, 0.1801.

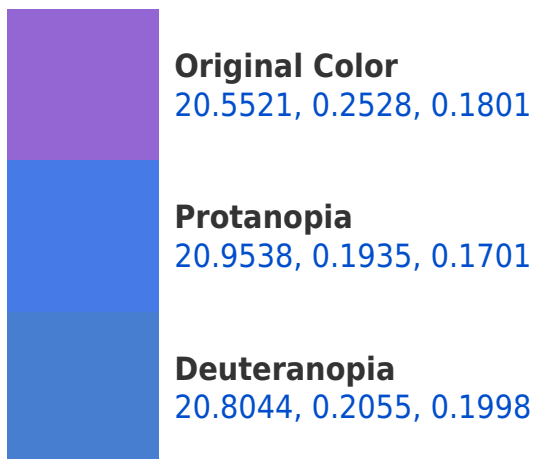


This preview shows how white text looks on a background with the Yxy color 20.5521, 0.2528, 0.1801.

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





Tritanopia

20.5716, 0.3148, 0.3113

Trichromacy



Original Color

20.5521, 0.2528, 0.1801

Protanomaly

20.2400, 0.2087, 0.1715

Deuteranomaly

20.0354, 0.2179, 0.1888

Tritanomaly

20.2380, 0.2892, 0.2539

Monochromacy



Original Color

20.5521, 0.2528, 0.1801

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.8478, 0.2880, 0.2628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5521, 0.2528, 0.1801 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(148, 102, 212)` looks like.

```
.text, #text, p{  
    color:rgb(148, 102, 212)  
}
```

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(148, 102, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 102, 212) }
```

Border

The CSS property to change the border of an element to Yxy 20.5521, 0.2528, 0.1801 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(148, 102, 212) }
```

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

```
.border{ border-color:rgb(148, 102, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 102, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 102, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 102, 212);  
box-shadow:4px 4px 4px 4px rgb(148, 102,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5521, 0.2528, 0.1801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 102, 212) }
```

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

```
.background{ background-color: rgb(148,  
102, 212) }
```

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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