

Converting Colors

$Y_{xy}(20.5314, 0.2289, 0.1784)$

Have a look what the booklet for
Yxy(20.5314, 0.2289, 0.1784)
contains.

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Color

Yxy(20.5896, 0.2290, 0.1787)

Conversions

Conversions Part 1

Format	Color
Hex	7B6FD9
RGB	123, 111, 217
RGB Percent	48%, 44%, 85%
CMY	0.5174, 0.5648, 0.1489
CMYK	0.43, 0.49, 0.00, 0.15
HSL	247°, 58%, 64%
HSV	247°, 49%, 85%
XYZ	26.3851, 20.5896, 68.2441
YIQ	126.6720, -26.8740, 35.5100

Conversions

Conversions Part 2

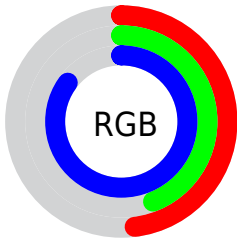
Format	Color
R_{YB}	123, 111, 217
Decimal	8089561
CIE _{Lab}	52.50, 30.92, -53.06
CIE _{LCh}	52, 61.413, 300.233
Yxy	20.5896, 0.2290, 0.1787
Android (android.graphics.Color)	4286279641 (0xFF7B6FD9)
YUV	126.6720, 44.5317, -3.2203
Hunter-Lab	45.3758, 24.3866, -57.4077

Details

The Yxy color `20.5896, 0.2290, 0.1787` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `63.7557, 0.3744, 0.4517`, and the grayscale version is `20.9593, 0.3127, 0.3290`.

A 20% lighter version of the original color is `43.1177, 0.2584, 0.2230`, and `7.2865, 0.1999, 0.1393` is the 20% darker color. If you saturate the color by 10%, you get `15.1345, 0.2090, 0.1450`, and if you desaturate by 10%, it is `27.4750, 0.2490, 0.2133`.

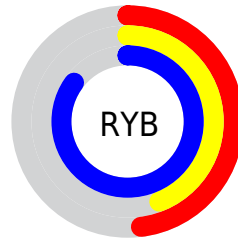
Distribution



Red (48%)

Green (44%)

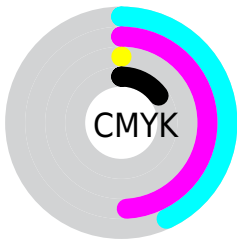
Blue (85%)



Red (48%)

Yellow (44%)

Blue (85%)

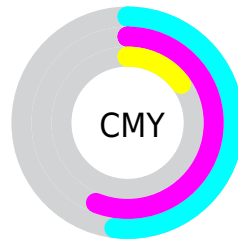


Cyan (43%)

Magenta (49%)

Yellow (0%)

Black (15%)



Cyan (52%)


Magenta (56%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5896, 0.2290, 0.1787 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 20.5896, 0.2290, 0.1787 by changing the saturation by 10% instead.


 20.5896, 0.2290,
0.1787


 20.5896, 0.2290,
0.1787


255.0893, 0.2755,
0.2538


 12.8243, 0.2164,
0.1609


 44.4035, 0.2468,
0.2055


 7.3077, 0.1999,
0.1390


 61.2210, 0.2532,
0.2157

 3.6553, 0.1777,
0.1120

 81.8246, 0.2585,
0.2245

 1.4827, 0.1472,
0.0790

 106.5988, 0.2630,
0.2320

 0.2765, 0.1067,
0.0286

135.9280, 0.2669,
0.2385

 0.0000, 0.0000,
0.0000

170.1965, 0.2702,

0.2443

209.7889, 0.2730,
0.2493

■ 20.5896, 0.2290,
0.1787

■ 20.5896, 0.2290,
0.1787

■ 15.1345, 0.2090,
0.1450

■ 27.4750, 0.2490,
0.2133

■ 11.0063, 0.1902,
0.1145

■ 35.8798, 0.2679,
0.2468

■ 8.0913, 0.1741,
0.0897

■ 45.8884, 0.2853,
0.2781

■ 6.2552, 0.1620,
0.0724

■ 57.5785, 0.3007,
0.3065

■ 5.2962, 0.1543,
0.0628

■ 71.0224, 0.3142,
0.3317

■ 5.2140, 0.1536,
0.0620

■ 86.2886, 0.3258,
0.3538

■ 97.7909, 0.3351,
0.3661

Harmonies

Analogous

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



20.5896, 0.1650, 0.1731



20.5896, 0.2290, 0.1787



20.5896, 0.3305, 0.2113

Triad

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



20.5896, 0.2290, 0.1787



20.5896, 0.5197, 0.4071



20.5896, 0.1839, 0.3894

Complementary

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



20.5896, 0.2290, 0.1787



63.7557, 0.3744, 0.4517

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.



20.5896, 0.2658, 0.5083



20.5896, 0.2290, 0.1787



20.5896, 0.4583, 0.4834

Square

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



20.5896, 0.2290, 0.1787



20.5896, 0.5204, 0.3335



20.5896, 0.3659, 0.5365



20.5896, 0.1413, 0.2694

Rectangle

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



20.5896, 0.2290, 0.1787



20.5896, 0.4090, 0.2459



20.5896, 0.3659, 0.5365



20.5896, 0.2074, 0.4342

Sweetspot

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



20.5903, 0.2290, 0.1787



72.1058, 0.2912, 0.2891



52.7332, 0.2461, 0.3145



14.6931, 0.2879, 0.2829



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.



20.5903, 0.2290, 0.1787



21.3464, 0.2076, 0.1428



25.4435, 0.2755, 0.1958



12.6878, 0.2998, 0.3049



3.1788, 0.1543, 0.0624



0.2302, 0.1649, 0.0682

Inverse Universe

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



30.5245, 0.3306, 0.2227



37.4368, 0.3354, 0.2036



57.5954, 0.3339, 0.4702



13.2480, 0.3155, 0.3085



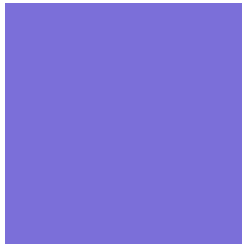
11.2513, 0.3517, 0.1711



0.7363, 0.3460, 0.1680

Previews

White Background



This preview shows how the Yxy color 20.5896, 0.2290, 0.1787 looks on a white background.

Color Contrast Check

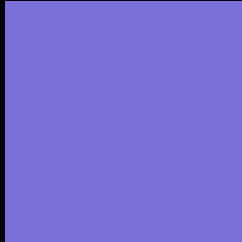
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5896, 0.2290, 0.1787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

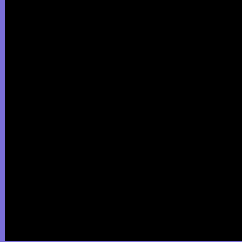
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5896, 0.2290, 0.1787

Background



This preview shows how black text looks on a background with the Yxy color 20.5896, 0.2290, 0.1787.



This preview shows how white text looks on a background with the Yxy color 20.5896, 0.2290, 0.1787.

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

20.5896, 0.2290, 0.1787

Protanopia

20.9370, 0.1962, 0.1733

Deuteranopia

20.7374, 0.1975, 0.1908



Tritanopia

20.4775, 0.2735, 0.3081

Trichromacy



Original Color

20.5896, 0.2290, 0.1787

Protanomaly

20.5628, 0.2054, 0.1742

Deuteranomaly

20.4200, 0.2059, 0.1854

Tritanomaly

20.0612, 0.2546, 0.2496

Monochromacy



Original Color

20.5896, 0.2290, 0.1787

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.6484, 0.2774, 0.2629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5896, 0.2290, 0.1787 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(123, 111, 217)` looks like.

```
.text, #text, p{  
    color:rgb(123, 111, 217)  
}
```

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(123, 111, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 111, 217) }
```

Border

The CSS property to change the border of an element to Yxy 20.5896, 0.2290, 0.1787 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(123, 111, 217) }
```

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

```
.border{ border-color:rgb(123, 111, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 111, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 111, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 111, 217);  
box-shadow:4px 4px 4px 4px rgb(123, 111,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5896, 0.2290, 0.1787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 111, 217) }
```

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

```
.background{ background-color: rgb(123,  
111, 217) }
```

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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