

Converting Colors

$Y_{xy}(20.0507, 0.2332, 0.1812)$

Have a look what the booklet for
Yxy(20.0507, 0.2332, 0.1812)
contains.

Yxy(20.0507, 0.2332, 0.1812)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.0507, 0.2332, 0.1812)

Conversions

Conversions Part 1

Format	Color
Hex	7D6DD4
RGB	125, 109, 212
RGB Percent	49%, 43%, 83%
CMY	0.5100, 0.5725, 0.1686
CMYK	0.41, 0.49, 0.00, 0.17
HSL	249°, 54%, 63%
HSV	249°, 49%, 83%
XYZ	25.8048, 20.0507, 64.7996
YIQ	125.5260, -23.5270, 35.4250

Conversions

Conversions Part 2

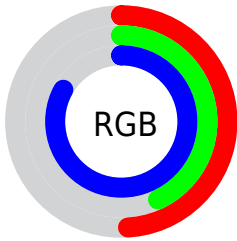
Format	Color
R _Y B	125, 109, 212
Decimal	8220116
CIE Lab	51.89, 31.11, -51.17
CIE LCh	52, 59.885, 301.300
Yxy	20.0507, 0.2332, 0.1812
Android (android.graphics.Color)	4286410196 (0xFF7D6DD4)
YUV	125.5260, 42.6317, -0.4613
Hunter-Lab	44.7780, 24.5048, -54.4558

Details

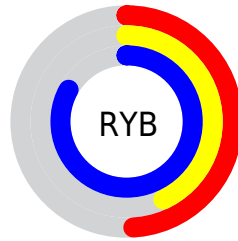
The Yxy color `20.0507, 0.2332, 0.1812` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `59.9382, 0.3705, 0.4524`, and the grayscale version is `20.5531, 0.3127, 0.3290`.

A 20% lighter version of the original color is `42.5335, 0.2589, 0.2209`, and `7.0370, 0.2043, 0.1408` is the 20% darker color. If you saturate the color by 10%, you get `14.8312, 0.2137, 0.1479`, and if you desaturate by 10%, it is `26.6056, 0.2525, 0.2153`.

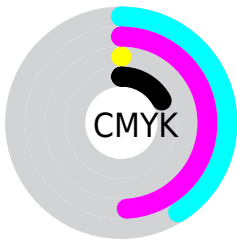
Distribution



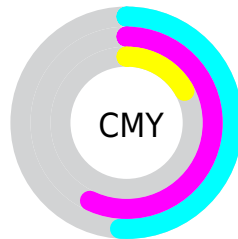
- Red (49%)
- Green (43%)
- Blue (83%)



- Red (49%)
- Yellow (43%)
- Blue (83%)



- Cyan (41%)
- Magenta (49%)
- Yellow (0%)
- Black (17%)





- Cyan (51%)
- Magenta (57%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0507, 0.2332, 0.1812 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 20.0507, 0.2332, 0.1812 by changing the saturation by 10% instead.


 20.0507, 0.2332,
0.1812


 20.0507, 0.2332,
0.1812


252.1895, 0.2778,
0.2556


 12.4319, 0.2209,
0.1634


 43.5022, 0.2504,
0.2079


 7.0385, 0.2047,
0.1414


 60.1036, 0.2565,
0.2180

 3.4862, 0.1827,
0.1139

 80.4681, 0.2617,
0.2267

 1.3905, 0.1520,
0.0802

 104.9800, 0.2659,
0.2341

 0.2097, 0.1110,
0.0242

134.0237, 0.2696,
0.2406

 0.0000, 0.0000,
0.0000

167.9835, 0.2727,

0.2462

207.2440, 0.2754,
0.2512

■ 20.0507, 0.2332,
0.1812

■ 20.0507, 0.2332,
0.1812

■ 14.8312, 0.2137,
0.1479

■ 26.6056, 0.2525,
0.2153

■ 10.8522, 0.1950,
0.1176

■ 34.5777, 0.2706,
0.2483

■ 8.0094, 0.1787,
0.0926

■ 44.0447, 0.2871,
0.2792

■ 6.1803, 0.1658,
0.0748

■ 55.0780, 0.3017,
0.3073

■ 5.1827, 0.1569,
0.0644

■ 67.7443, 0.3144,
0.3324

■ 5.0738, 0.1559,
0.0633

■ 82.1067, 0.3254,
0.3544

■ 96.6703, 0.3351,
0.3715

■ 97.5337, 0.3382,
0.3711

Harmonies

Analogous

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



20.0507, 0.1684, 0.1747



20.0507, 0.2332, 0.1812



20.0507, 0.3344, 0.2144

Triad

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



20.0507, 0.2332, 0.1812



20.0507, 0.5157, 0.4096



20.0507, 0.1836, 0.3838

Complementary

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



20.0507, 0.2332, 0.1812



59.9382, 0.3705, 0.4524

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.



20.0507, 0.2635, 0.5019



20.0507, 0.2332, 0.1812



20.0507, 0.4541, 0.4844

Square

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



20.0507, 0.2332, 0.1812



20.0507, 0.5186, 0.3364



20.0507, 0.3623, 0.5340



20.0507, 0.1427, 0.2672

Rectangle

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



20.0507, 0.2332, 0.1812



20.0507, 0.4116, 0.2492



20.0507, 0.3623, 0.5340



20.0507, 0.2064, 0.4278

Sweetspot

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



20.0514, 0.2332, 0.1812



72.3524, 0.2923, 0.2892



47.7372, 0.2451, 0.3074



14.7516, 0.2891, 0.2830



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.



20.0514, 0.2332, 0.1812



22.5011, 0.2136, 0.1478



24.9201, 0.2811, 0.1987



12.1000, 0.3005, 0.3051



3.1600, 0.1568, 0.0637



0.2203, 0.1709, 0.0715

Inverse Universe

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



28.9274, 0.3351, 0.2276



37.6289, 0.3409, 0.2100



54.2189, 0.3300, 0.4709



12.5981, 0.3161, 0.3095



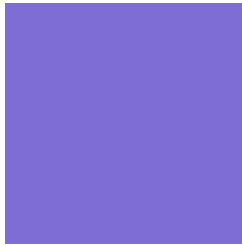
10.6673, 0.3641, 0.1779



0.6525, 0.3554, 0.1732

Previews

White Background



This preview shows how the Yxy color 20.0507, 0.2332, 0.1812 looks on a white background.

Color Contrast Check

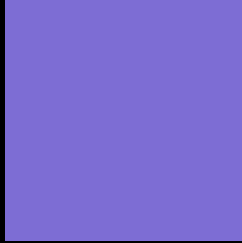
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0507, 0.2332, 0.1812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

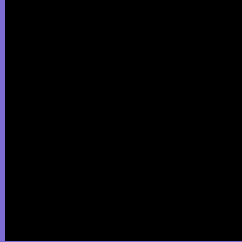
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0507, 0.2332, 0.1812

Background



This preview shows how black text looks on a background with the Yxy color 20.0507, 0.2332, 0.1812.



This preview shows how white text looks on a background with the Yxy color 20.0507, 0.2332, 0.1812.

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

20.0507, 0.2332, 0.1812

Protanopia

20.2165, 0.1978, 0.1749

Deuteranopia

20.3607, 0.2006, 0.1949



Tritanopia

20.1107, 0.2801, 0.3100

Trichromacy



Original Color

20.0507, 0.2332, 0.1812

Protanomaly

19.9324, 0.2082, 0.1762

Deuteranomaly

19.8252, 0.2091, 0.1879

Tritanomaly

19.6907, 0.2613, 0.2528

Monochromacy



Original Color

20.0507, 0.2332, 0.1812

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.3029, 0.2802, 0.2658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0507, 0.2332, 0.1812 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(125, 109, 212)` looks like.

```
.text, #text, p{  
    color:rgb(125, 109, 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(125, 109, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 109, 212) }
```

Border

The CSS property to change the border of an element to Yxy 20.0507, 0.2332, 0.1812 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(125, 109, 212) }
```

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

```
.border{ border-color:rgb(125, 109, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 109, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 109, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 109, 212);  
box-shadow:4px 4px 4px 4px rgb(125, 109,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0507, 0.2332, 0.1812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 109, 212) }
```

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

```
.background{ background-color: rgb(125,  
109, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor