

Converting Colors

$Y_{xy}(20.3534, 0.2348, 0.1885)$

Have a look what the booklet for
Yxy(20.3534, 0.2348, 0.1885)
contains.

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Color

Yxy(20.3534, 0.2348, 0.1885)

Conversions

Conversions Part 1

Format	Color
Hex	7B70D0
RGB	123, 112, 208
RGB Percent	48%, 44%, 82%
CMY	0.5175, 0.5608, 0.1843
CMYK	0.41, 0.46, 0.00, 0.18
HSL	247°, 51%, 63%
HSV	247°, 46%, 82%
XYZ	25.3527, 20.3534, 62.2695
YIQ	126.2330, -24.2600, 32.1880

Conversions

Conversions Part 2

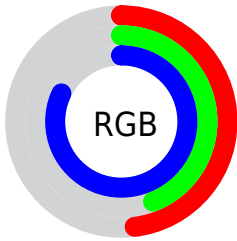
Format	Color
R _Y B	123, 112, 208
Decimal	8089808
CIE Lab	52.23, 27.74, -48.36
CIE LCh	52, 55.758, 299.841
Yxy	20.3534, 0.2348, 0.1885
Android (android.graphics.Color)	4286279888 (0xFF7B70D0)
YUV	126.2330, 40.3111, -2.8353
Hunter-Lab	45.1147, 21.3590, -50.2546

Details

The Yxy color **20.3534, 0.2348, 0.1885** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **58.1465, 0.3712, 0.4451**, and the grayscale version is **20.8161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3546, 0.2578, 0.2239**, and **7.1956, 0.2069, 0.1494** is the 20% darker color. If you saturate the color by 10%, you get **15.0500, 0.2147, 0.1544**, and if you desaturate by 10%, it is **26.9735, 0.2545, 0.2228**.

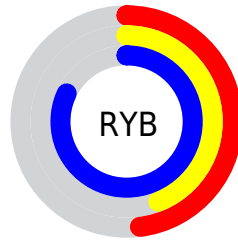
Distribution



Red (48%)

Green (44%)

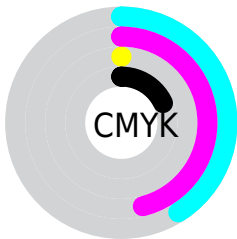
Blue (82%)



Red (48%)

Yellow (44%)

Blue (82%)

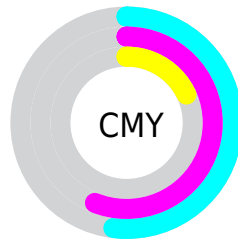


Cyan (41%)

Magenta (46%)

Yellow (0%)

Black (18%)



Cyan (52%)

Magenta (56%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3534, 0.2348, 0.1885 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 20.3534, 0.2348, 0.1885 by changing the saturation by 10% instead.


 20.3534, 0.2348,
0.1885


 20.3534, 0.2348,
0.1885


253.8219, 0.2784,
0.2599


 12.6522, 0.2228,
0.1711


 44.0089, 0.2516,
0.2143

 7.1895, 0.2068,
0.1494


 60.7320, 0.2576,
0.2241

 3.5809, 0.1851,
0.1221

 81.2311, 0.2626,
0.2323

 1.4420, 0.1546,
0.0878

 105.8908, 0.2668,
0.2394

 0.2474, 0.1132,
0.0306

135.0953, 0.2704,
0.2456

 0.0000, 0.0000,
0.0000

169.2290, 0.2734,

0.2510

208.6764, 0.2761,
0.2557

■ 20.3534, 0.2348,
0.1885

■ 20.3534, 0.2348,
0.1885

■ 15.0500, 0.2147,
0.1544

■ 26.9735, 0.2545,
0.2228

■ 10.9728, 0.1955,
0.1229

■ 34.9884, 0.2730,
0.2558

■ 8.0231, 0.1785,
0.0963

■ 44.4725, 0.2897,
0.2862

■ 6.0862, 0.1652,
0.0767

■ 55.4943, 0.3045,
0.3137

■ 5.0193, 0.1562,
0.0651

■ 68.1181, 0.3174,
0.3380

■ 4.7480, 0.1538,
0.0621

■ 82.4045, 0.3286,
0.3592

■ 96.7471, 0.3385,
0.3754

■ 97.3343, 0.3406,
0.3750

Harmonies

Analogous

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



20.3534, 0.1746, 0.1840



20.3534, 0.2348, 0.1885



20.3534, 0.3283, 0.2190

Triad

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



20.3534, 0.2348, 0.1885



20.3534, 0.5050, 0.4044



20.3534, 0.1953, 0.3860

Complementary

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



20.3534, 0.2348, 0.1885



58.1465, 0.3712, 0.4451

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.



20.3534, 0.2727, 0.4909



20.3534, 0.2348, 0.1885



20.3534, 0.4511, 0.4738

Square

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



20.3534, 0.2348, 0.1885



20.3534, 0.5025, 0.3348



20.3534, 0.3661, 0.5186



20.3534, 0.1536, 0.2770

Rectangle

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



20.3534, 0.2348, 0.1885



20.3534, 0.3997, 0.2517



20.3534, 0.3661, 0.5186



20.3534, 0.2177, 0.4256

Sweetspot

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



20.3541, 0.2348, 0.1885



73.7932, 0.2928, 0.2919



48.5708, 0.2491, 0.3155



15.0258, 0.2894, 0.2857



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.



20.3541, 0.2348, 0.1885



24.2422, 0.2157, 0.1561



24.6410, 0.2783, 0.2037



11.4820, 0.2999, 0.3051



2.9807, 0.1544, 0.0624



0.1890, 0.1665, 0.0691

Inverse Universe

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



29.0247, 0.3295, 0.2284



39.6874, 0.3337, 0.2106



52.8051, 0.3332, 0.4614



11.9846, 0.3155, 0.3087



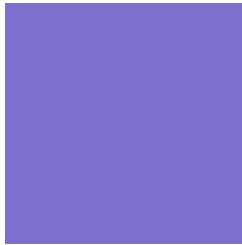
10.5250, 0.3520, 0.1713



0.5953, 0.3456, 0.1677

Previews

White Background



This preview shows how the Yxy color 20.3534, 0.2348, 0.1885 looks on a white background.

Color Contrast Check

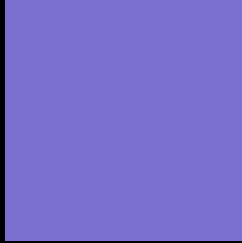
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3534, 0.2348, 0.1885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

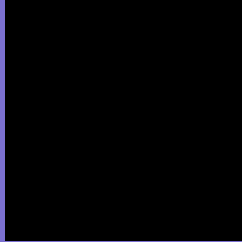
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3534, 0.2348, 0.1885

Background



This preview shows how black text looks on a background with the Yxy color 20.3534, 0.2348, 0.1885.



This preview shows how white text looks on a background with the Yxy color 20.3534, 0.2348, 0.1885.

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

20.3534, 0.2348, 0.1885

Protanopia

20.4338, 0.2039, 0.1831

Deuteranopia

20.4915, 0.2065, 0.2005



Tritanopia

20.3375, 0.2782, 0.3100

Trichromacy



Original Color

20.3534, 0.2348, 0.1885

Protanomaly

20.2987, 0.2130, 0.1845

Deuteranomaly

20.1133, 0.2144, 0.1945

Tritanomaly

20.0082, 0.2606, 0.2575

Monochromacy



Original Color

20.3534, 0.2348, 0.1885

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4350, 0.2802, 0.2689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3534, 0.2348, 0.1885 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, 112, 208)` looks like.

```
.text, #text, p{  
    color:rgb(123, 112, 208)  
}
```

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, 112, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 112, 208) }
```

Border

The CSS property to change the border of an element to Yxy 20.3534, 0.2348, 0.1885 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, 112, 208) }
```

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

```
.border{ border-color:rgb(123, 112, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 112, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 112, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 112, 208);  
box-shadow:4px 4px 4px 4px rgb(123, 112,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3534, 0.2348, 0.1885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 112, 208) }
```

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

```
.background{ background-color: rgb(123,  
112, 208) }
```

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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