

Converting Colors

$Y_{xy}(20.0260, 0.2354, 0.1834)$

Have a look what the booklet for
Yxy(20.0260, 0.2354, 0.1834)
contains.

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Color

Yxy(20.0260, 0.2354, 0.1834)

Conversions

Conversions Part 1

Format	Color
Hex	7E6DD2
RGB	126, 109, 210
RGB Percent	49%, 43%, 82%
CMY	0.5058, 0.5725, 0.1766
CMYK	0.40, 0.48, 0.00, 0.18
HSL	250°, 53%, 63%
HSV	250°, 48%, 82%
XYZ	25.7040, 20.0260, 63.4630
YIQ	125.5970, -22.2890, 35.0150

Conversions

Conversions Part 2

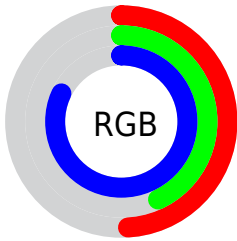
Format	Color
R _Y B	126, 109, 210
Decimal	8285650
CIE Lab	51.87, 30.81, -50.05
CIE LCh	52, 58.776, 301.615
Yxy	20.0260, 0.2354, 0.1834
Android (android.graphics.Color)	4286475730 (0xFF7E6DD2)
YUV	125.5970, 41.6107, 0.3534
Hunter-Lab	44.7504, 24.2148, -52.7571

Details

The Yxy color `20.0260, 0.2354, 0.1834` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `58.5139, 0.3688, 0.4517`, and the grayscale version is `20.5838, 0.3127, 0.3290`.

A 20% lighter version of the original color is `42.6548, 0.2596, 0.2211`, and `7.0436, 0.2076, 0.1436` is the 20% darker color. If you saturate the color by 10%, you get `14.8555, 0.2160, 0.1502`, and if you desaturate by 10%, it is `26.4994, 0.2544, 0.2173`.

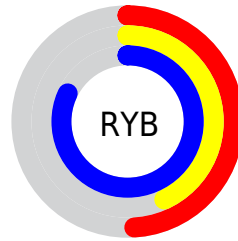
Distribution



Red (49%)

Green (43%)

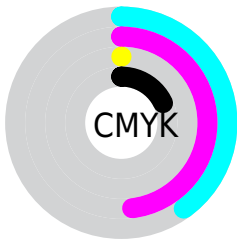
Blue (82%)



Red (49%)

Yellow (43%)

Blue (82%)

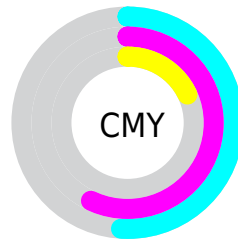


Cyan (40%)

Magenta (48%)

Yellow (0%)

Black (18%)



Cyan (51%)


Magenta (57%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0260, 0.2354, 0.1834 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 20.0260, 0.2354, 0.1834 by changing the saturation by 10% instead.


 20.0260, 0.2354,
0.1834


 20.0260, 0.2354,
0.1834


252.0558, 0.2789,
0.2569


 12.4139, 0.2234,
0.1657


 43.4608, 0.2522,
0.2098


 7.0263, 0.2074,
0.1437


 60.0523, 0.2582,
0.2199

 3.4785, 0.1857,
0.1163

 80.4057, 0.2632,
0.2284

 1.3864, 0.1551,
0.0823

 104.9055, 0.2674,
0.2357

 0.2066, 0.1141,
0.0247

133.9360, 0.2709,
0.2421

 0.0000, 0.0000,
0.0000

167.8816, 0.2739,

0.2477

207.1268, 0.2766,
0.2526

■ 20.0260, 0.2354,
0.1834

■ 20.0260, 0.2354,
0.1834

■ 14.8555, 0.2160,
0.1502

■ 26.4994, 0.2544,
0.2173

■ 10.8964, 0.1974,
0.1198

■ 34.3545, 0.2722,
0.2501

■ 8.0483, 0.1809,
0.0945

■ 43.6664, 0.2883,
0.2808

■ 6.1936, 0.1676,
0.0762

■ 54.5039, 0.3025,
0.3087

■ 5.1648, 0.1583,
0.0654

■ 66.9318, 0.3150,
0.3335

■ 5.0156, 0.1569,
0.0638

■ 81.0108, 0.3256,
0.3555

■ 96.1700, 0.3349,
0.3737

■ 97.4316, 0.3394,
0.3731

Harmonies

Analogous

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



20.0260, 0.1709, 0.1768



20.0260, 0.2354, 0.1834



20.0260, 0.3353, 0.2165

Triad

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



20.0260, 0.2354, 0.1834



20.0260, 0.5124, 0.4100



20.0260, 0.1851, 0.3816

Complementary

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



20.0260, 0.2354, 0.1834



58.5139, 0.3688, 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.



20.0260, 0.2638, 0.4974



20.0260, 0.2354, 0.1834



20.0260, 0.4517, 0.4834

Square

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



20.0260, 0.2354, 0.1834



20.0260, 0.5154, 0.3376



20.0260, 0.3612, 0.5306



20.0260, 0.1449, 0.2676

Rectangle

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



20.0260, 0.2354, 0.1834



20.0260, 0.4110, 0.2510



20.0260, 0.3612, 0.5306



20.0260, 0.2075, 0.4245

Sweetspot

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



20.0267, 0.2354, 0.1834



74.0980, 0.2941, 0.2921



46.1057, 0.2452, 0.3052



15.0990, 0.2909, 0.2859



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.



20.0267, 0.2354, 0.1834



22.6636, 0.2150, 0.1484



24.8566, 0.2832, 0.2007



11.5120, 0.3008, 0.3051



3.0903, 0.1578, 0.0643



0.2031, 0.1737, 0.0731

Inverse Universe

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



28.4836, 0.3363, 0.2299



37.5138, 0.3430, 0.2116



52.9915, 0.3286, 0.4698



11.9734, 0.3163, 0.3099



10.2495, 0.3683, 0.1803



0.5824, 0.3582, 0.1747

Previews

White Background



This preview shows how the Yxy color 20.0260, 0.2354, 0.1834 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 20.0260, 0.2354, 0.1834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

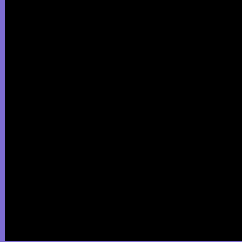
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0260, 0.2354, 0.1834

Background



This preview shows how black text looks on a background with the Yxy color 20.0260, 0.2354, 0.1834.



This preview shows how white text looks on a background with the Yxy color 20.0260, 0.2354, 0.1834.

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

20.0260, 0.2354, 0.1834

Protanopia

20.1899, 0.1995, 0.1770

Deuteranopia

20.1136, 0.2024, 0.1958



Tritanopia

19.9505, 0.2830, 0.3101

Trichromacy



Original Color

20.0260, 0.2354, 0.1834

Protanomaly

19.8802, 0.2097, 0.1783

Deuteranomaly

19.8224, 0.2113, 0.1903

Tritanomaly

19.7221, 0.2632, 0.2545

Monochromacy



Original Color

20.0260, 0.2354, 0.1834

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 20.0260, 0.2354, 0.1834 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(126, 109, 210)` looks like.

```
.text, #text, p{  
    color:rgb(126, 109, 210)  
}
```

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(126, 109, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 109, 210) }
```

Border

The CSS property to change the border of an element to Yxy 20.0260, 0.2354, 0.1834 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(126, 109, 210) }
```

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

```
.border{ border-color:rgb(126, 109, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 109, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 109, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 109, 210);  
box-shadow:4px 4px 4px 4px rgb(126, 109,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0260, 0.2354, 0.1834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 109, 210) }
```

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

```
.background{ background-color: rgb(126,  
109, 210) }
```

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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