

Converting Colors

$Y_{xy}(10.8453, 0.1815, 0.1311)$

Have a look what the booklet for
Yxy(10.8453, 0.1815, 0.1311)
contains.

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Color

Yxy(10.8862, 0.1820, 0.1320)

Conversions

Conversions Part 1

Format	Color
Hex	3651C9
RGB	54, 81, 201
RGB Percent	21%, 32%, 79%
CMY	0.7880, 0.6824, 0.2117
CMYK	0.73, 0.60, 0.00, 0.21
HSL	229°, 58%, 50%
HSV	229°, 73%, 79%
XYZ	15.0098, 10.8862, 56.5753
YIQ	86.6070, -54.6120, 31.5960

Conversions

Conversions Part 2

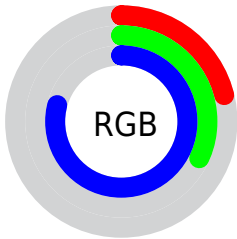
Format	Color
R_{YB}	54, 77, 201
Decimal	3559881
CIE _{Lab}	39.39, 31.52, -65.29
CIE _{LCh}	39, 72.500, 295.768
Yxy	10.8862, 0.1820, 0.1320
Android (android.graphics.Color)	4281749961 (0xFF3651C9)
YUV	86.6070, 56.3957, -28.5963
Hunter-Lab	32.9942, 23.4634, -78.5686

Details

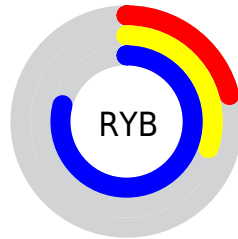
The Yxy color **10.8862, 0.1820, 0.1320** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **42.9949, 0.4310, 0.4643**, and the grayscale version is **9.3312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1783, 0.2124, 0.1709**, and **3.3985, 0.1590, 0.0924** is the 20% darker color. If you saturate the color by 10%, you get **8.2881, 0.1685, 0.1069**, and if you desaturate by 10%, it is **14.3045, 0.1986, 0.1606**.

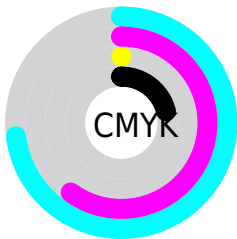
Distribution



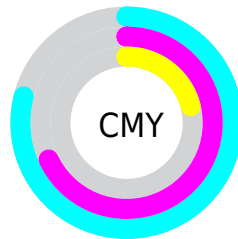
- Red (21%)
- Green (32%)
- Blue (79%)



- Red (21%)
- Yellow (30%)
- Blue (79%)



- Cyan (73%)
- Magenta (60%)
- Yellow (0%)
- Black (21%)




- Cyan (79%)
- Magenta (68%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8862, 0.1820, 0.1320 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 10.8862, 0.1820, 0.1320 by changing the saturation by 10% instead.


 10.8862, 0.1820,
0.1320

 10.8862, 0.1820,
0.1320


196.8851, 0.2572,
0.2336

 5.9904, 0.1616,
0.1086


 27.4495, 0.2110,
0.1682


 2.8392, 0.1354,
0.0811

 39.8858, 0.2215,
0.1821

 1.0484, 0.1022,
0.0503

 55.6044, 0.2301,
0.1940

 0.0000, 0.0627,
0.0000

 74.9896, 0.2374,
0.2042

 0.0000, 0.0000,
0.0000

 98.4259, 0.2435,
0.2130

126.2977, 0.2487,

0.2208

158.9893, 0.2532,
0.2275

■ 10.8862, 0.1820,
0.1320

■ 10.8862, 0.1820,
0.1320

■ 8.2881, 0.1685,
0.1069

■ 14.3045, 0.1986,
0.1606

■ 6.4359, 0.1590,
0.0868

■ 18.6065, 0.2172,
0.1908

■ 5.5296, 0.1545,
0.0763

■ 23.8499, 0.2367,
0.2210

■ 30.0873, 0.2562,
0.2500

■ 37.3673, 0.2748,
0.2768

■ 45.7351, 0.2922,
0.3012

■ 55.2334, 0.3081,
0.3228

■ 65.9025, 0.3225,
0.3419

■ 77.7806, 0.3353,
0.3585

Harmonies

Analogous

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



10.8862, 0.1139, 0.1283



10.8862, 0.1820, 0.1320



10.8862, 0.3089, 0.1660

Triad

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



10.8862, 0.1820, 0.1320



10.8862, 0.5920, 0.3881



10.8862, 0.1439, 0.4468

Complementary

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



10.8862, 0.1820, 0.1320



42.9949, 0.4310, 0.4643

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.



10.8862, 0.2489, 0.6234



10.8862, 0.1820, 0.1320



10.8862, 0.5039, 0.4961

Square

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



10.8862, 0.1820, 0.1320



10.8862, 0.5966, 0.3039



10.8862, 0.3794, 0.6104



10.8862, 0.0928, 0.2547

Rectangle

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



10.8862, 0.1820, 0.1320



10.8862, 0.4223, 0.2049



10.8862, 0.3794, 0.6104



10.8862, 0.1740, 0.5209

Sweetspot

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



10.8865, 0.1820, 0.1320



65.0359, 0.2762, 0.2789



45.6236, 0.2444, 0.3710



13.1392, 0.2712, 0.2718



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.



10.8865, 0.1820, 0.1320



12.1018, 0.1622, 0.0939



9.6061, 0.2071, 0.1157



10.5966, 0.2983, 0.3095



3.5747, 0.1551, 0.0782



0.2675, 0.1653, 0.1149

Inverse Universe

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



15.6577, 0.5178, 0.3014



22.6832, 0.5813, 0.3075



48.9628, 0.3680, 0.5152



10.6681, 0.3261, 0.3248



7.9009, 0.6099, 0.3133



0.3840, 0.5540, 0.2825

Previews

White Background



This preview shows how the Yxy color 10.8862, 0.1820, 0.1320 looks on a white 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

Black Background



This preview shows how the Yxy color 10.8862, 0.1820, 0.1320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

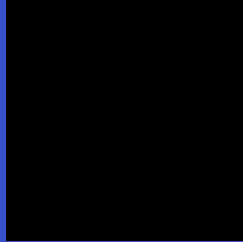
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8862, 0.1820, 0.1320

Background



This preview shows how black text looks on a background with the Yxy color 10.8862, 0.1820, 0.1320.



This preview shows how white text looks on a background with the Yxy color 10.8862, 0.1820, 0.1320.

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

10.8862, 0.1820, 0.1320

Protanopia

10.8189, 0.1744, 0.1479

Deuteranopia

10.7931, 0.1858, 0.1890



Tritanopia

10.6285, 0.2187, 0.3072

Trichromacy



Original Color

10.8862, 0.1820, 0.1320

Protanomaly

10.6546, 0.1749, 0.1407

Deuteranomaly

10.5956, 0.1816, 0.1633

Tritanomaly

10.1373, 0.1975, 0.2164

Monochromacy



Original Color

10.8862, 0.1820, 0.1320

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.5514, 0.2431, 0.2311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8862, 0.1820, 0.1320 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(54, 81, 201)` looks like.

```
.text, #text, p{  
    color:rgb(54, 81, 201)  
}
```

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(54, 81, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 81, 201) }
```

Border

The CSS property to change the border of an element to Yxy 10.8862, 0.1820, 0.1320 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(54, 81, 201) }
```

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

```
.border{ border-color:rgb(54, 81, 201) }
```

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

Here you see how a box with a 4 pixel rgb(54, 81, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 81, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 81, 201);  
box-shadow:4px 4px 4px 4px rgb(54, 81,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8862, 0.1820, 0.1320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 81, 201) }
```

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

```
.background{ background-color: rgb(54, 81,  
201) }
```

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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