

Converting Colors

$Y_{xy}(13.1621, 0.2136, 0.1826)$

Have a look what the booklet for
Yxy(13.1621, 0.2136, 0.1826)
contains.

Yxy(13.2455, 0.2142, 0.1839)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.2455, 0.2142, 0.1839)

Conversions

Conversions Part 1

Format	Color
Hex	5060B1
RGB	80, 96, 177
RGB Percent	31%, 38%, 69%
CMY	0.6863, 0.6235, 0.3058
CMYK	0.55, 0.46, 0.00, 0.31
HSL	230°, 38%, 50%
HSV	230°, 55%, 69%
XYZ	15.4279, 13.2455, 43.3522
YIQ	100.4500, -35.5370, 21.7990

Conversions

Conversions Part 2

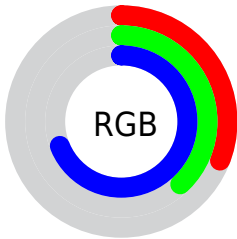
Format	Color
R_{YB}	80, 94, 177
Decimal	5267633
CIE _{Lab}	43.13, 17.87, -45.18
CIE _{LCh}	43, 48.591, 291.581
Yxy	13.2455, 0.2142, 0.1839
Android (android.graphics.Color)	4283457713 (0xFF5060B1)
YUV	100.4500, 37.7392, -17.9346
Hunter-Lab	36.3944, 11.9775, -45.1489

Details

The Yxy color **13.2455, 0.2142, 0.1839** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **35.4237, 0.4018, 0.4402**, and the grayscale version is **12.7729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6752, 0.2372, 0.2138**, and **3.8220, 0.1746, 0.1350** is the 20% darker color. If you saturate the color by 10%, you get **10.1261, 0.1957, 0.1536**, and if you desaturate by 10%, it is **17.0759, 0.2337, 0.2145**.

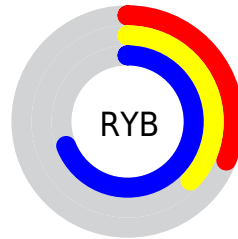
Distribution



Red (31%)

Green (38%)

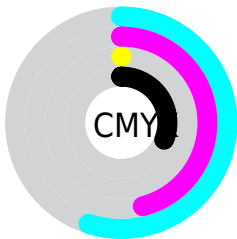
Blue (69%)



Red (31%)

Yellow (37%)

Blue (69%)

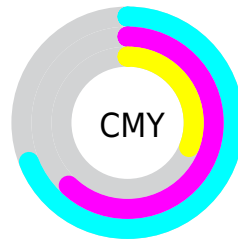


Cyan (55%)

Magenta (46%)

Yellow (0%)

Black (31%)



Cyan (69%)


Magenta (62%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2455, 0.2142, 0.1839 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 13.2455, 0.2142, 0.1839 by changing the saturation by 10% instead.


 13.2455, 0.2142,
0.1839


 13.2455, 0.2142,
0.1839


 212.4851, 0.2715,
0.2630


 7.5978, 0.1975,
0.1629


 31.7441, 0.2369,
0.2138


 3.8387, 0.1748,
0.1360

 45.3639, 0.2449,
0.2248


 1.5837, 0.1434,
0.1012

 62.4098, 0.2514,
0.2339

 0.3466, 0.1006,
0.0455

 83.2662, 0.2568,
0.2416

 0.0000, 0.0000,
0.0000

 108.3175, 0.2613,
0.2481

137.9482, 0.2652,

0.2538

172.5426, 0.2685,
0.2587

■ 13.2455, 0.2142,
0.1839

■ 13.2455, 0.2142,
0.1839

■ 10.1261, 0.1957,
0.1536

■ 17.0759, 0.2337,
0.2145

■ 7.6715, 0.1795,
0.1254

■ 21.6569, 0.2532,
0.2441

■ 5.8321, 0.1665,
0.1011

■ 27.0265, 0.2720,
0.2717

■ 4.5499, 0.1576,
0.0823

■ 33.2197, 0.2895,
0.2968

■ 4.0646, 0.1541,
0.0747

■ 40.2697, 0.3055,
0.3192

■ 48.2075, 0.3200,
0.3389

■ 57.0627, 0.3330,
0.3562

■ 66.8635, 0.3444,
0.3711

■ 77.6369, 0.3546,
0.3841

Harmonies

Analogous

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



13.2455, 0.1634, 0.1872



13.2455, 0.2142, 0.1839



13.2455, 0.2998, 0.2077

Triad

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



13.2455, 0.2142, 0.1839



13.2455, 0.5119, 0.3850



13.2455, 0.2130, 0.4194

Complementary

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



13.2455, 0.2142, 0.1839



35.4237, 0.4018, 0.4402

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.



13.2455, 0.2978, 0.5090



13.2455, 0.2142, 0.1839



13.2455, 0.4707, 0.4560

Square

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



13.2455, 0.2142, 0.1839



13.2455, 0.4905, 0.3163



13.2455, 0.3915, 0.5123



13.2455, 0.1605, 0.3033

Rectangle

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



13.2455, 0.2142, 0.1839



13.2455, 0.3706, 0.2368



13.2455, 0.3915, 0.5123



13.2455, 0.2386, 0.4567

Sweetspot

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



13.2459, 0.2142, 0.1839



57.7667, 0.2870, 0.2933



35.7278, 0.2536, 0.3559



12.0221, 0.2836, 0.2884



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.2459, 0.2142, 0.1839



17.0115, 0.1917, 0.1469



12.3774, 0.2402, 0.1696



8.4493, 0.2985, 0.3094



3.0058, 0.1545, 0.0761



0.1637, 0.1668, 0.1205

Inverse Universe

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



15.9301, 0.4448, 0.3065



23.1732, 0.4944, 0.3043



38.0246, 0.3589, 0.4740



8.5274, 0.3262, 0.3253



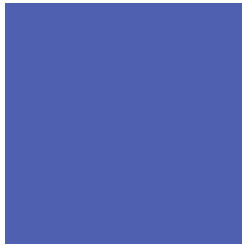
6.8436, 0.6133, 0.3152



0.2223, 0.5459, 0.2781

Previews

White Background



This preview shows how the Yxy color 13.2455, 0.2142, 0.1839 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 13.2455, 0.2142, 0.1839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

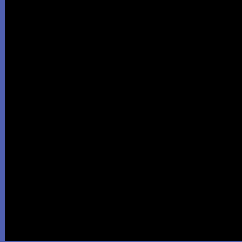
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.2455, 0.2142, 0.1839

Background



This preview shows how black text looks on a background with the Yxy color 13.2455, 0.2142, 0.1839.



This preview shows how white text looks on a background with the Yxy color 13.2455, 0.2142, 0.1839.

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

13.2455, 0.2142, 0.1839

Protanopia

13.3090, 0.2027, 0.1821

Deuteranopia

13.3311, 0.1964, 0.1922



Tritanopia

13.1751, 0.2461, 0.3075

Trichromacy



Original Color

13.2455, 0.2142, 0.1839

Protanomaly

13.2921, 0.2066, 0.1827

Deuteranomaly

13.1188, 0.2010, 0.1872

Tritanomaly

12.9580, 0.2330, 0.2532

Monochromacy



Original Color

13.2455, 0.2142, 0.1839

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8093, 0.2687, 0.2674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2455, 0.2142, 0.1839 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(80, 96, 177)` looks like.

```
.text, #text, p{  
    color:rgb(80, 96, 177)  
}
```

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(80, 96, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 96, 177) }
```

Border

The CSS property to change the border of an element to Yxy 13.2455, 0.2142, 0.1839 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(80, 96, 177) }
```

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

```
.border{ border-color:rgb(80, 96, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 96, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 96, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 96, 177);  
box-shadow:4px 4px 4px 4px rgb(80, 96,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2455, 0.2142, 0.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 96, 177) }
```

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

```
.background{ background-color: rgb(80, 96,  
177) }
```

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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