

Converting Colors

$Y_{xy}(15.8197, 0.2061, 0.1616)$

Have a look what the booklet for
Yxy(15.8197, 0.2061, 0.1616)
contains.

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Color

$Y_{xy}(15.8421, 0.2064, 0.1622)$

Conversions

Conversions Part 1

Format	Color
Hex	5A64D0
RGB	90, 100, 208
RGB Percent	35%, 39%, 82%
CMY	0.6470, 0.6078, 0.1843
CMYK	0.57, 0.52, 0.00, 0.18
HSL	235°, 56%, 58%
HSV	235°, 57%, 82%
XYZ	20.1591, 15.8421, 61.6689
YIQ	109.3220, -40.6280, 31.4680

Conversions

Conversions Part 2

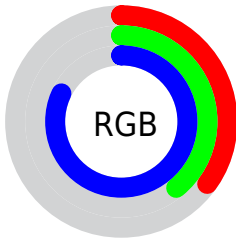
Format	Color
R _Y B	90, 99, 208
Decimal	5924048
CIE Lab	46.77, 27.64, -57.26
CIE LCh	47, 63.577, 295.765
Yxy	15.8421, 0.2064, 0.1622
Android (android.graphics.Color)	4284114128 (0xFF5A64D0)
YUV	109.3220, 48.6483, -16.9454
Hunter-Lab	39.8021, 20.7536, -64.0017

Details

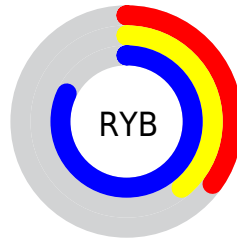
The Yxy color **15.8421, 0.2064, 0.1622** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **54.5416, 0.3996, 0.4535**, and the grayscale version is **15.2579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7428, 0.2351, 0.2024**, and **5.0484, 0.1691, 0.1172** is the 20% darker color. If you saturate the color by 10%, you get **11.7060, 0.1875, 0.1307**, and if you desaturate by 10%, it is **21.1243, 0.2268, 0.1954**.

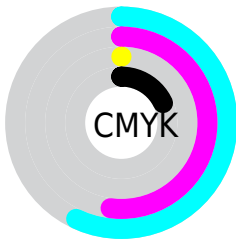
Distribution



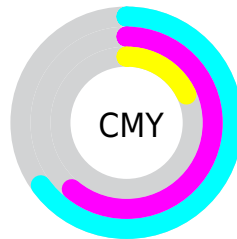
- Red (35%)
- Green (39%)
- Blue (82%)



- Red (35%)
- Yellow (39%)
- Blue (82%)



- Cyan (57%)
- Magenta (52%)
- Yellow (0%)
- Black (18%)



- Cyan (65%)
- Magenta (61%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8421, 0.2064, 0.1622 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 15.8421, 0.2064, 0.1622 by changing the saturation by 10% instead.

■ 15.8421, 0.2064,
0.1622

■ 15.8421, 0.2064,
0.1622

■ 228.4082, 0.2662,
0.2475

■ 9.4125, 0.1902,
0.1418

■ 36.3239, 0.2293,
0.1929

■ 5.0112, 0.1690,
0.1170

■ 51.1448, 0.2376,
0.2046

■ 2.2538, 0.1411,
0.0869

■ 69.5317, 0.2445,
0.2145

■ 0.7491, 0.1043,
0.0517

■ 91.8688, 0.2502,
0.2230

■ 0.0000, 0.0470,
0.0000

■ 118.5406, 0.2551,
0.2304

■ 0.0000, 0.0000,
0.0000

149.9315, 0.2593,

0.2368

186.4259, 0.2630,
0.2425

■ 15.8421, 0.2064,
0.1622

■ 15.8421, 0.2064,
0.1622

■ 11.7060, 0.1875,
0.1307

■ 21.1243, 0.2268,
0.1954

■ 8.6292, 0.1716,
0.1033

■ 27.6277, 0.2474,
0.2283

■ 6.5147, 0.1599,
0.0820

■ 35.4229, 0.2673,
0.2595

■ 5.2448, 0.1530,
0.0680

■ 44.5745, 0.2858,
0.2881

■ 4.9740, 0.1514,
0.0649

■ 55.1429, 0.3025,
0.3136

■ 67.1848, 0.3174,
0.3360

■ 80.7537, 0.3305,
0.3556

■ 95.6318, 0.3410,
0.3726

■ 97.3340, 0.3406,
0.3751

Harmonies

Analogous

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



15.8421, 0.1444, 0.1601



15.8421, 0.2064, 0.1622



15.8421, 0.3123, 0.1929

Triad

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



15.8421, 0.2064, 0.1622



15.8421, 0.5458, 0.3956



15.8421, 0.1793, 0.4202

Complementary

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



15.8421, 0.2064, 0.1622



54.5416, 0.3996, 0.4535

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.



15.8421, 0.2726, 0.5483



15.8421, 0.2064, 0.1622



15.8421, 0.4816, 0.4812

Square

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



15.8421, 0.2064, 0.1622



15.8421, 0.5384, 0.3185



15.8421, 0.3818, 0.5550



15.8421, 0.1287, 0.2763

Rectangle

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



15.8421, 0.2064, 0.1622



15.8421, 0.4006, 0.2277



15.8421, 0.3818, 0.5550



15.8421, 0.2065, 0.4718

Sweetspot

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



15.8426, 0.2064, 0.1622



69.9289, 0.2849, 0.2868



51.2803, 0.2478, 0.3457



14.3027, 0.2813, 0.2812



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.



15.8426, 0.2064, 0.1622



17.4126, 0.1839, 0.1246



17.2043, 0.2436, 0.1650



11.5762, 0.2982, 0.3070



3.1591, 0.1517, 0.0660



0.2337, 0.1568, 0.0844

Inverse Universe

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



21.6442, 0.4690, 0.3175



28.0841, 0.5235, 0.3172



53.4065, 0.3538, 0.4838



11.8243, 0.3277, 0.3271



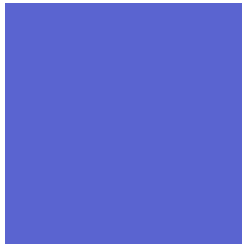
8.3902, 0.6299, 0.3243



0.4749, 0.6000, 0.3079

Previews

White Background



This preview shows how the Yxy color 15.8421, 0.2064, 0.1622 looks on a white background.

Color Contrast Check

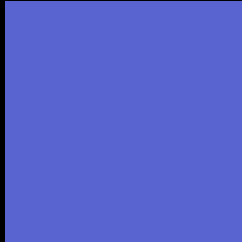
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8421, 0.2064, 0.1622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

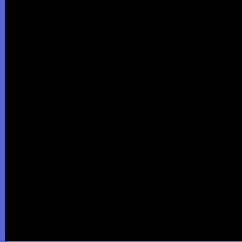
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8421, 0.2064, 0.1622

Background



This preview shows how black text looks on a background with the Yxy color 15.8421, 0.2064, 0.1622.



This preview shows how white text looks on a background with the Yxy color 15.8421, 0.2064, 0.1622.

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

15.8421, 0.2064, 0.1622

Protanopia

15.9796, 0.1843, 0.1582

Deuteranopia

15.8875, 0.1837, 0.1813



Tritanopia

15.7084, 0.2414, 0.3067

Trichromacy



Original Color

15.8421, 0.2064, 0.1622

Protanomaly

15.6462, 0.1900, 0.1585

Deuteranomaly

15.3127, 0.1852, 0.1703

Tritanomaly

15.3591, 0.2250, 0.2385

Monochromacy



Original Color

15.8421, 0.2064, 0.1622

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.1772, 0.2632, 0.2538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8421, 0.2064, 0.1622 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(90, 100, 208)` looks like.

```
.text, #text, p{  
    color:rgb(90, 100, 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(90, 100, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 100, 208) }
```

Border

The CSS property to change the border of an element to Yxy 15.8421, 0.2064, 0.1622 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(90, 100, 208) }
```

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

```
.border{ border-color:rgb(90, 100, 208) }
```

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

Here you see how a box with a 4 pixel rgb(90, 100, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 100, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 100, 208);  
box-shadow:4px 4px 4px 4px rgb(90, 100,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8421, 0.2064, 0.1622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 100, 208) }
```

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

```
.background{ background-color: rgb(90, 100,  
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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