

Converting Colors

$Y_{xy}(21.1619, 0.2856, 0.1860)$

Have a look what the booklet for
Yxy(21.1619, 0.2856, 0.1860)
contains.

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Color

Yxy(21.1760, 0.2857, 0.1860)

Conversions

Conversions Part 1

Format	Color
Hex	AF5CCD
RGB	175, 92, 205
RGB Percent	69%, 36%, 80%
CMY	0.3138, 0.6392, 0.1960
CMYK	0.15, 0.55, 0.00, 0.20
HSL	284°, 53%, 58%
HSV	284°, 55%, 80%
XYZ	32.5268, 21.1760, 60.1467
YIQ	129.6990, 13.1950, 52.7390

Conversions

Conversions Part 2

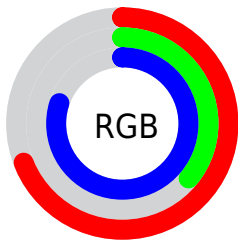
Format	Color
R _Y B	175, 92, 205
Decimal	11492557
CIE Lab	53.14, 51.71, -44.89
CIE LCh	53, 68.478, 319.037
Yxy	21.1760, 0.2857, 0.1860
Android (android.graphics.Color)	4289682637 (0xFFAF5CCD)
YUV	129.6990, 37.1234, 39.7290
Hunter-Lab	46.0174, 45.6400, -45.2824

Details

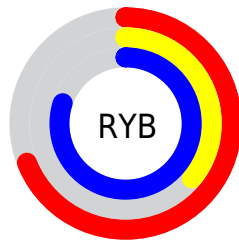
The Yxy color **21.1760, 0.2857, 0.1860** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **48.5879, 0.3238, 0.4947**, and the grayscale version is **22.0752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7944, 0.2991, 0.2168**, and **7.6461, 0.2729, 0.1493** is the 20% darker color. If you saturate the color by 10%, you get **17.4748, 0.2788, 0.1636**, and if you desaturate by 10%, it is **25.8654, 0.2921, 0.2111**.

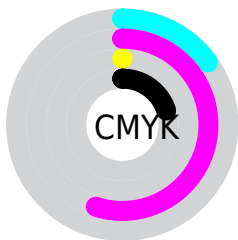
Distribution



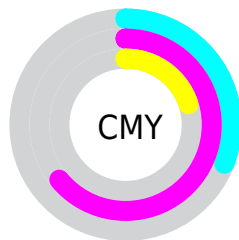
- Red (69%)
- Green (36%)
- Blue (80%)



- Red (69%)
- Yellow (36%)
- Blue (80%)



- Cyan (15%)
- Magenta (55%)
- Yellow (0%)
- Black (20%)





- Cyan (31%)
- Magenta (64%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1760, 0.2857, 0.1860 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 21.1760, 0.2857, 0.1860 by changing the saturation by 10% instead.


 21.1760, 0.2857,
0.1860

 21.1760, 0.2857,
0.1860


258.2124, 0.3033,
0.2566


 13.2527, 0.2800,
0.1693


 45.3803, 0.2931,
0.2111


 7.6028, 0.2720,
0.1486


 62.4300, 0.2955,
0.2207

 3.8419, 0.2602,
0.1227


 83.2907, 0.2975,
0.2289

 1.5855, 0.2416,
0.0904

 108.3468, 0.2991,
0.2360

 0.3478, 0.2133,
0.0404

137.9826, 0.3004,
0.2421

 0.0000, 0.1511,
0.0000

172.5825, 0.3015,

 0.0000, 0.0000,

0.2475

0.0000

212.5310, 0.3025,
0.2523

■ 21.1760, 0.2857,
0.1860

■ 21.1760, 0.2857,
0.1860

■ 17.4748, 0.2788,
0.1636

■ 25.8654, 0.2921,
0.2111

■ 14.6793, 0.2716,
0.1448

■ 31.6113, 0.2979,
0.2376

■ 12.6980, 0.2644,
0.1305

■ 38.4789, 0.3030,
0.2646

■ 11.4179, 0.2574,
0.1209

■ 46.5273, 0.3074,
0.2911

■ 10.9450, 0.2541,
0.1173

■ 55.8113, 0.3111,
0.3165

■ 66.3826, 0.3141,
0.3404

■ 78.2894, 0.3166,
0.3626

■ 90.9235, 0.3186,
0.3818

■ 91.7803, 0.3221,
0.3813

Harmonies

Analogous

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



21.1760, 0.1910, 0.1618



21.1760, 0.2857, 0.1860



21.1760, 0.4131, 0.2361

Triad

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



21.1760, 0.2857, 0.1860



21.1760, 0.4978, 0.4606



21.1760, 0.1391, 0.3050

Complementary

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



21.1760, 0.2857, 0.1860



48.5879, 0.3238, 0.4947

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.



21.1760, 0.1997, 0.4523



21.1760, 0.2857, 0.1860



21.1760, 0.4053, 0.5387

Square

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



21.1760, 0.2857, 0.1860



21.1760, 0.5473, 0.3780



21.1760, 0.2980, 0.5554



21.1760, 0.1215, 0.2087

Rectangle

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



21.1760, 0.2857, 0.1860



21.1760, 0.4910, 0.2797



21.1760, 0.2980, 0.5554



21.1760, 0.1541, 0.3509

Sweetspot

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



21.1769, 0.2857, 0.1860



73.2726, 0.3066, 0.2856



20.6384, 0.2163, 0.1992



15.0932, 0.3057, 0.2803



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.



21.1769, 0.2857, 0.1860



27.7306, 0.2776, 0.1601



23.8781, 0.3498, 0.2250



11.2480, 0.3096, 0.3059



6.8602, 0.2550, 0.1179



0.3897, 0.2685, 0.1253

Inverse Universe

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



22.0435, 0.4306, 0.2918



29.6780, 0.4723, 0.2876



47.2674, 0.2907, 0.4651



11.2618, 0.3249, 0.3229



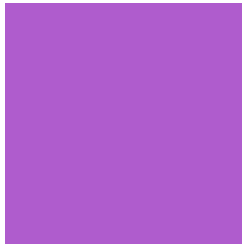
8.2622, 0.5860, 0.3002



0.4391, 0.5288, 0.2687

Previews

White Background



This preview shows how the Yxy color 21.1760, 0.2857, 0.1860 looks on a white background.

Color Contrast Check

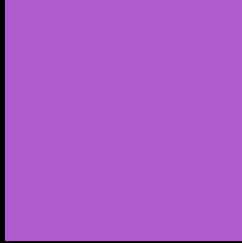
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1760, 0.2857, 0.1860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

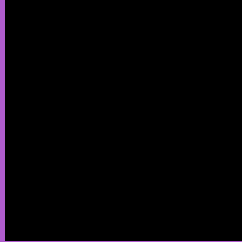
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1760, 0.2857, 0.1860

Background



This preview shows how black text looks on a background with the Yxy color 21.1760, 0.2857, 0.1860.



This preview shows how white text looks on a background with the Yxy color 21.1760, 0.2857, 0.1860.

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

21.1760, 0.2857, 0.1860

Protanopia

21.7156, 0.1933, 0.1697

Deuteranopia

21.4296, 0.2204, 0.2147



Tritanopia

21.2263, 0.3673, 0.3165

Trichromacy



Original Color

21.1760, 0.2857, 0.1860



Protanomaly

20.1583, 0.2143, 0.1699



Deuteranomaly

20.3166, 0.2381, 0.1979



Tritanomaly

20.7906, 0.3351, 0.2603

Monochromacy



Original Color

21.1760, 0.2857, 0.1860



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.0361, 0.3027, 0.2633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1760, 0.2857, 0.1860 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(175, 92, 205)` looks like.

```
.text, #text, p{  
  color:rgb(175, 92, 205)  
}
```

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(175, 92, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 92, 205) }
```

Border

The CSS property to change the border of an element to Yxy 21.1760, 0.2857, 0.1860 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(175, 92, 205) }
```

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

```
.border{ border-color:rgb(175, 92, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 92, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 92, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 92, 205);  
box-shadow:4px 4px 4px 4px rgb(175, 92,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1760, 0.2857, 0.1860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 92, 205) }
```

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

```
.background{ background-color: rgb(175, 92,  
205) }
```

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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