

Converting Colors

$Y_{xy}(12.6262, 0.2686, 0.1625)$

Have a look what the booklet for
Yxy(12.6262, 0.2686, 0.1625)
contains.

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Color

Yxy(12.6107, 0.2692, 0.1629)

Conversions

Conversions Part 1

Format	Color
Hex	8C41B3
RGB	140, 65, 179
RGB Percent	55%, 25%, 70%
CMY	0.4510, 0.7451, 0.2982
CMYK	0.22, 0.64, 0.00, 0.30
HSL	279°, 47%, 48%
HSV	279°, 64%, 70%
XYZ	20.8398, 12.6107, 43.9633
YIQ	100.4210, 8.1060, 51.3540

Conversions

Conversions Part 2

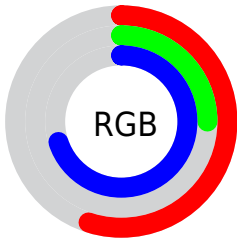
Format	Color
R _Y B	140, 65, 179
Decimal	9191859
CIE Lab	42.17, 50.76, -47.53
CIE LCh	42, 69.541, 316.886
Yxy	12.6107, 0.2692, 0.1629
Android (android.graphics.Color)	4287381939 (0xFF8C41B3)
YUV	100.4210, 38.7394, 34.7108
Hunter-Lab	35.5115, 42.6067, -48.5429

Details

The Yxy color **12.6107, 0.2692, 0.1629** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **35.5479, 0.3301, 0.5153**, and the grayscale version is **12.7559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4565, 0.2815, 0.1943**, and **3.5676, 0.2461, 0.1156** is the 20% darker color. If you saturate the color by 10%, you get **10.3547, 0.2600, 0.1419**, and if you desaturate by 10%, it is **15.5481, 0.2781, 0.1872**.

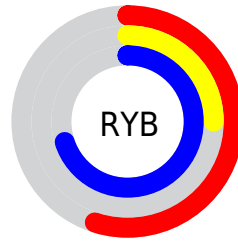
Distribution



Red (55%)

Green (25%)

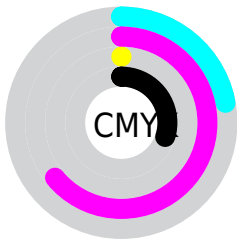
Blue (70%)



Red (55%)

Yellow (25%)

Blue (70%)

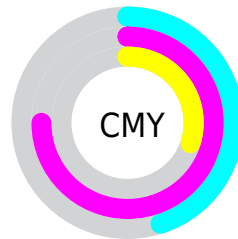


Cyan (22%)

Magenta (64%)

Yellow (0%)

Black (30%)



Cyan (45%)


Magenta (75%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6107, 0.2692, 0.1629 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 12.6107, 0.2692, 0.1629 by changing the saturation by 10% instead.


 12.6107, 0.2692,
0.1629


 12.6107, 0.2692,
0.1629


208.4074, 0.2980,
0.2492


 7.1610, 0.2593,
0.1416


 30.6026, 0.2816,
0.1944


 3.5630, 0.2450,
0.1151


 43.9136, 0.2856,
0.2063


 1.4323, 0.2232,
0.0823

 60.6138, 0.2888,
0.2163

 0.2403, 0.1913,
0.0281

 81.0877, 0.2914,
0.2249

 0.0000, 0.1154,
0.0000

 105.7196, 0.2935,
0.2322

 0.0000, 0.0000,
0.0000

134.8939, 0.2953,

0.2386

168.9951, 0.2967,
0.2443

■ 12.6107, 0.2692,
0.1629

■ 12.6107, 0.2692,
0.1629

■ 10.3547, 0.2600,
0.1419

■ 15.5481, 0.2781,
0.1872

■ 8.7142, 0.2508,
0.1253

■ 19.2214, 0.2864,
0.2137

■ 7.6123, 0.2420,
0.1135

■ 23.6814, 0.2939,
0.2411

■ 7.0895, 0.2366,
0.1077

■ 28.9736, 0.3005,
0.2685

■ 35.1401, 0.3063,
0.2950

■ 42.2202, 0.3111,
0.3202

■ 50.2506, 0.3152,
0.3436

■ 59.2660, 0.3186,
0.3651

■ 69.2994, 0.3213,
0.3847

Harmonies

Analogous

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



12.6107, 0.1663, 0.1387



12.6107, 0.2692, 0.1629



12.6107, 0.4201, 0.2157

Triad

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



12.6107, 0.2692, 0.1629



12.6107, 0.5262, 0.4610



12.6107, 0.1154, 0.3063

Complementary

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



12.6107, 0.2692, 0.1629



35.5479, 0.3301, 0.5153

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.



12.6107, 0.1829, 0.4948



12.6107, 0.2692, 0.1629



12.6107, 0.4167, 0.5640

Square

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



12.6107, 0.2692, 0.1629



12.6107, 0.5858, 0.3662



12.6107, 0.2939, 0.6095



12.6107, 0.0968, 0.1913

Rectangle

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



12.6107, 0.2692, 0.1629



12.6107, 0.5174, 0.2624



12.6107, 0.2939, 0.6095



12.6107, 0.1317, 0.3643

Sweetspot

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



12.6112, 0.2692, 0.1629



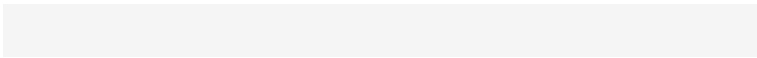
56.5269, 0.3031, 0.2802



14.4590, 0.2063, 0.1943



11.8510, 0.3014, 0.2726



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



12.6112, 0.2692, 0.1629



17.3712, 0.2567, 0.1354



15.9651, 0.3427, 0.2028



8.4984, 0.3085, 0.3062



5.0491, 0.2375, 0.1082



0.1895, 0.2615, 0.1214

Inverse Universe

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



14.3599, 0.4419, 0.2763



21.2233, 0.4871, 0.2732



33.9600, 0.2945, 0.5047



8.5516, 0.3235, 0.3212



7.0230, 0.5572, 0.2843



0.2322, 0.4783, 0.2408

Previews

White Background



This preview shows how the Yxy color 12.6107, 0.2692, 0.1629 looks on a white background.

Color Contrast Check

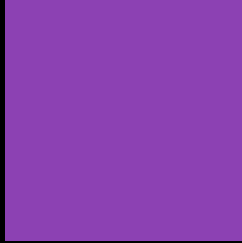
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6107, 0.2692, 0.1629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

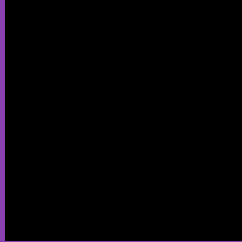
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6107, 0.2692, 0.1629

Background



This preview shows how black text looks on a background with the Yxy color 12.6107, 0.2692, 0.1629.



This preview shows how white text looks on a background with the Yxy color 12.6107, 0.2692, 0.1629.

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

12.6107, 0.2692, 0.1629

Protanopia

12.7735, 0.1739, 0.1462

Deuteranopia

12.8214, 0.1968, 0.1920



Tritanopia

12.6689, 0.3636, 0.3172

Trichromacy



Original Color

12.6107, 0.2692, 0.1629



Protanomaly

11.1863, 0.1836, 0.1409



Deuteranomaly

11.7369, 0.2118, 0.1720



Tritanomaly

12.2968, 0.3259, 0.2470

Monochromacy



Original Color

12.6107, 0.2692, 0.1629



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.0462, 0.2958, 0.2467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6107, 0.2692, 0.1629 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(140, 65, 179)` looks like.

```
.text, #text, p{  
  color:rgb(140, 65, 179)  
}
```

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(140, 65, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 65, 179) }
```

Border

The CSS property to change the border of an element to Yxy 12.6107, 0.2692, 0.1629 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(140, 65, 179) }
```

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

```
.border{ border-color:rgb(140, 65, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 65, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 65, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 65, 179);  
box-shadow:4px 4px 4px 4px rgb(140, 65,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6107, 0.2692, 0.1629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 65, 179) }
```

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

```
.background{ background-color: rgb(140, 65,  
179) }
```

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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