

Converting Colors

$Y_{xy}(12.2896, 0.2292, 0.1896)$

Have a look what the booklet for
Yxy(12.2896, 0.2292, 0.1896)
contains.

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Color

Yxy(12.2896, 0.2292, 0.1896)

Conversions

Conversions Part 1

Format	Color
Hex	5B5AA6
RGB	91, 90, 166
RGB Percent	36%, 35%, 65%
CMY	0.6430, 0.6471, 0.3490
CMYK	0.45, 0.46, 0.00, 0.35
HSL	241°, 30%, 50%
HSV	241°, 46%, 65%
XYZ	14.8564, 12.2896, 37.6726
YIQ	98.9630, -23.8000, 23.8480

Conversions

Conversions Part 2

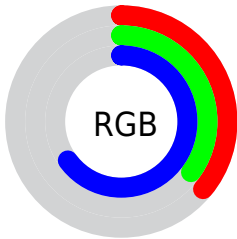
Format	Color
R_{YB}	91, 90, 166
Decimal	5986982
CIE _{Lab}	41.67, 20.75, -40.97
CIE _{LCh}	42, 45.924, 296.858
Yxy	12.2896, 0.2292, 0.1896
Android (android.graphics.Color)	4284177062 (0xFF5B5AA6)
YUV	98.9630, 33.0492, -6.9836
Hunter-Lab	35.0565, 14.2966, -39.1748

Details

The Yxy color **12.2896, 0.2292, 0.1896** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **36.0128, 0.3780, 0.4392**, and the grayscale version is **12.3885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0498, 0.2492, 0.2187**, and **3.4441, 0.1925, 0.1427** is the 20% darker color. If you saturate the color by 10%, you get **9.0520, 0.2083, 0.1550**, and if you desaturate by 10%, it is **16.3351, 0.2501, 0.2243**.

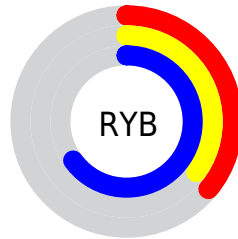
Distribution



Red (36%)

Green (35%)

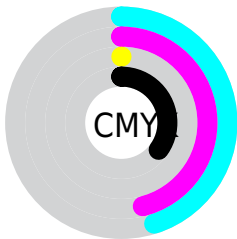
Blue (65%)



Red (36%)

Yellow (35%)

Blue (65%)

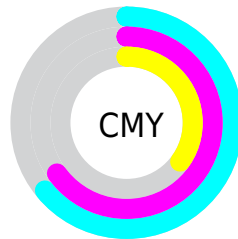


Cyan (45%)

Magenta (46%)

Yellow (0%)

Black (35%)



Cyan (64%)

Magenta (65%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2896, 0.2292, 0.1896 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 12.2896, 0.2292, 0.1896 by changing the saturation by 10% instead.

■ 12.2896, 0.2292,
0.1896

■ 12.2896, 0.2292,
0.1896

■ 206.3132, 0.2791,
0.2667

■ 6.9412, 0.2138,
0.1686

■ 30.0215, 0.2495,
0.2191

■ 3.4254, 0.1924,
0.1411

■ 43.1737, 0.2564,
0.2298

■ 1.3576, 0.1614,
0.1049

■ 59.6961, 0.2620,
0.2386

■ 0.1852, 0.1171,
0.0318

■ 79.9730, 0.2666,
0.2460

■ 0.0000, 0.0000,
0.0000

■ 104.3887, 0.2705,
0.2524

133.3278, 0.2738,

0.2578

167.1744, 0.2766,
0.2625

■ 12.2896, 0.2292,
0.1896

■ 12.2896, 0.2292,
0.1896

■ 9.0520, 0.2083,
0.1550

■ 16.3351, 0.2501,
0.2243

■ 6.5669, 0.1888,
0.1228

■ 21.2362, 0.2699,
0.2574

■ 4.7741, 0.1723,
0.0956

■ 27.0387, 0.2881,
0.2877

■ 3.6035, 0.1600,
0.0757

■ 33.7846, 0.3042,
0.3148

■ 2.9644, 0.1527,
0.0640

■ 41.5131, 0.3185,
0.3386

■ 2.7684, 0.1505,
0.0603

■ 50.2616, 0.3308,
0.3593

■ 60.0651, 0.3414,
0.3772

■ 70.9573, 0.3505,
0.3926

■ 82.9701, 0.3583,
0.4058

Harmonies

Analogous

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



12.2896, 0.1733, 0.1880



12.2896, 0.2292, 0.1896



12.2896, 0.3179, 0.2173

Triad

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



12.2896, 0.2292, 0.1896



12.2896, 0.5034, 0.3969



12.2896, 0.2043, 0.3962

Complementary

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



12.2896, 0.2292, 0.1896



36.0128, 0.3780, 0.4392

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.



12.2896, 0.2830, 0.4929



12.2896, 0.2292, 0.1896



12.2896, 0.4556, 0.4651

Square

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



12.2896, 0.2292, 0.1896



12.2896, 0.4938, 0.3288



12.2896, 0.3747, 0.5120



12.2896, 0.1593, 0.2877

Rectangle

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



12.2896, 0.2292, 0.1896



12.2896, 0.3874, 0.2481



12.2896, 0.3747, 0.5120



12.2896, 0.2275, 0.4339

Sweetspot

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



12.2900, 0.2292, 0.1896



50.8275, 0.2907, 0.2921



32.2048, 0.2526, 0.3288



10.8396, 0.2871, 0.2861



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.2900, 0.2292, 0.1896



16.3078, 0.2078, 0.1542



14.6538, 0.2701, 0.2036



7.3052, 0.2988, 0.3057



2.1480, 0.1506, 0.0603



0.0537, 0.1531, 0.0617

Inverse Universe

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



18.1351, 0.3191, 0.2211



28.2750, 0.3205, 0.2007



32.6054, 0.3403, 0.4549



7.6648, 0.3140, 0.3070



8.3581, 0.3243, 0.1560



0.2039, 0.3231, 0.1554

Previews

White Background



This preview shows how the Yxy color 12.2896, 0.2292, 0.1896 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 12.2896, 0.2292, 0.1896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

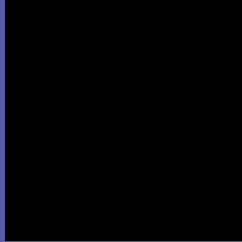
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.2896, 0.2292, 0.1896

Background



This preview shows how black text looks on a background with the Yxy color 12.2896, 0.2292, 0.1896.



This preview shows how white text looks on a background with the Yxy color 12.2896, 0.2292, 0.1896.

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

12.2896, 0.2292, 0.1896

Protanopia

12.4343, 0.2055, 0.1859

Deuteranopia

12.3883, 0.2049, 0.2001



Tritanopia

12.3847, 0.2678, 0.3100

Trichromacy



Original Color

12.2896, 0.2292, 0.1896

Protanomaly

12.3635, 0.2130, 0.1870

Deuteranomaly

12.2756, 0.2115, 0.1954

Tritanomaly

12.1234, 0.2514, 0.2570

Monochromacy



Original Color

12.2896, 0.2292, 0.1896

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.2826, 0.2777, 0.2711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2896, 0.2292, 0.1896 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(91, 90, 166)` looks like.

```
.text, #text, p{  
    color:rgb(91, 90, 166)  
}
```

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(91, 90, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 90, 166) }
```

Border

The CSS property to change the border of an element to Yxy 12.2896, 0.2292, 0.1896 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(91, 90, 166) }
```

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

```
.border{ border-color:rgb(91, 90, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 90, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 90, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 90, 166);  
box-shadow:4px 4px 4px 4px rgb(91, 90,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2896, 0.2292, 0.1896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 90, 166) }
```

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

```
.background{ background-color: rgb(91, 90,  
166) }
```

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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