

Converting Colors

$Y_{xy}(11.6956, 0.2257, 0.2127)$

Have a look what the booklet for
Yxy(11.6956, 0.2257, 0.2127)
contains.

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Color

Yxy(11.6956, 0.2257, 0.2127)

Conversions

Conversions Part 1

Format	Color
Hex	4A5E97
RGB	74, 94, 151
RGB Percent	29%, 37%, 59%
CMY	0.7099, 0.6313, 0.4079
CMYK	0.51, 0.38, 0.00, 0.41
HSL	224°, 34%, 44%
HSV	224°, 51%, 59%
XYZ	12.4104, 11.6956, 30.8803
YIQ	94.5180, -30.2170, 13.4870

Conversions

Conversions Part 2

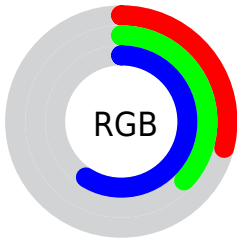
Format	Color
R_{YB}	74, 90, 151
Decimal	4873879
CIE Lab	40.73, 9.14, -33.60
CIE LCh	41, 34.817, 285.223
Yxy	11.6956, 0.2257, 0.2127
Android (android.graphics.Color)	4283063959 (0xFF4A5E97)
YUV	94.5180, 27.8456, -17.9943
Hunter-Lab	34.1988, 4.9280, -29.5976

Details

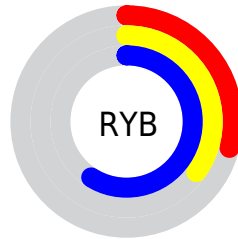
The Yxy color **11.6956, 0.2257, 0.2127** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.2938, 0.4005, 0.4220**, and the grayscale version is **11.2595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9148, 0.2465, 0.2386**, and **3.1442, 0.1861, 0.1638** is the 20% darker color. If you saturate the color by 10%, you get **9.3219, 0.2080, 0.1853**, and if you desaturate by 10%, it is **14.5015, 0.2440, 0.2394**.

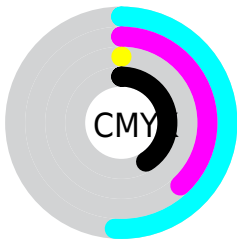
Distribution



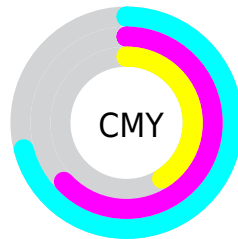
- Red (29%)
- Green (37%)
- Blue (59%)



- Red (29%)
- Yellow (35%)
- Blue (59%)



- Cyan (51%)
- Magenta (38%)
- Yellow (0%)
- Black (41%)



- Cyan (71%)
- Magenta (63%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6956, 0.2257, 0.2127 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 11.6956, 0.2257, 0.2127 by changing the saturation by 10% instead.

■ 11.6956, 0.2257,
0.2127

■ 11.6956, 0.2257,
0.2127

202.3795, 0.2776,
0.2797

■ 6.5368, 0.2095,
0.1929

■ 28.9395, 0.2469,
0.2393

■ 3.1741, 0.1866,
0.1659

■ 41.7933, 0.2541,
0.2486

■ 1.2233, 0.1528,
0.1278

■ 57.9809, 0.2599,
0.2562

■ 0.0806, 0.0812,
0.0218

■ 77.8867, 0.2647,
0.2625

■ 0.0000, 0.0000,
0.0000

■ 101.8951, 0.2687,
0.2679

130.3904, 0.2721,

0.2724

163.7571, 0.2750,
0.2763

■ 11.6956, 0.2257,
0.2127

■ 11.6956, 0.2257,
0.2127

■ 9.3219, 0.2080,
0.1853

■ 14.5015, 0.2440,
0.2394

■ 7.3565, 0.1916,
0.1582

■ 17.7594, 0.2622,
0.2645

■ 5.7747, 0.1777,
0.1328

■ 21.4893, 0.2796,
0.2877

■ 4.5482, 0.1667,
0.1104

■ 25.7096, 0.2960,
0.3086

■ 3.7043, 0.1593,
0.0933

■ 30.4375, 0.3112,
0.3272

■ 35.6896, 0.3252,
0.3437

■ 41.4815, 0.3378,
0.3581

■ 47.8284, 0.3492,
0.3707

■ 54.7447, 0.3594,
0.3817

Harmonies

Analogous

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



11.6956, 0.1892, 0.2225



11.6956, 0.2257, 0.2127



11.6956, 0.2884, 0.2273

Triad

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



11.6956, 0.2257, 0.2127



11.6956, 0.4654, 0.3676



11.6956, 0.2510, 0.4119

Complementary

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



11.6956, 0.2257, 0.2127



23.2938, 0.4005, 0.4220

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.



11.6956, 0.3214, 0.4655



11.6956, 0.2257, 0.2127



11.6956, 0.4473, 0.4228

Square

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



11.6956, 0.2257, 0.2127



11.6956, 0.4357, 0.3116



11.6956, 0.3932, 0.4638



11.6956, 0.2011, 0.3296

Rectangle

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



11.6956, 0.2257, 0.2127



11.6956, 0.3404, 0.2487



11.6956, 0.3932, 0.4638



11.6956, 0.2730, 0.4352

Sweetspot

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



11.6960, 0.2257, 0.2127



42.6950, 0.2891, 0.2999



25.2111, 0.2626, 0.3688



9.3718, 0.2859, 0.2958



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



11.6960, 0.2257, 0.2127



16.2320, 0.2059, 0.1820



9.3998, 0.2380, 0.1798



6.2747, 0.2988, 0.3121



3.1925, 0.1596, 0.0944



0.1004, 0.1803, 0.1692

Inverse Universe

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



12.2807, 0.4145, 0.2955



18.1086, 0.4514, 0.2902



27.6150, 0.3649, 0.4584



6.2478, 0.3245, 0.3232



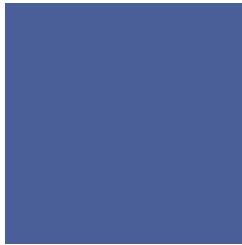
5.7276, 0.5844, 0.2993



0.0909, 0.4816, 0.2427

Previews

White Background



This preview shows how the Yxy color 11.6956, 0.2257, 0.2127 looks on a white background.

Color Contrast Check

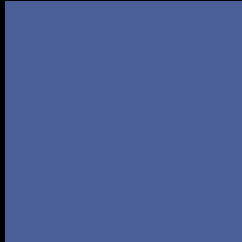
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6956, 0.2257, 0.2127 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

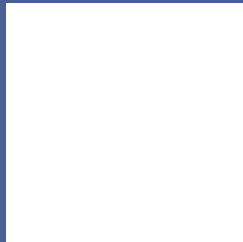
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.6956, 0.2257, 0.2127

Background



This preview shows how black text looks on a background with the Yxy color 11.6956, 0.2257, 0.2127.



This preview shows how white text looks on a background with the Yxy color 11.6956, 0.2257, 0.2127.

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

11.6956, 0.2257, 0.2127

Protanopia

11.6956, 0.2257, 0.2127

Deuteranopia

11.7584, 0.2197, 0.2150



Tritanopia

11.6425, 0.2514, 0.3066

Trichromacy



Original Color

11.6956, 0.2257, 0.2127

Protanomaly

11.6956, 0.2257, 0.2127

Deuteranomaly

11.6840, 0.2218, 0.2136

Tritanomaly

11.5883, 0.2409, 0.2665

Monochromacy



Original Color

11.6956, 0.2257, 0.2127

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4485, 0.2751, 0.2833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6956, 0.2257, 0.2127 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(74, 94, 151)` looks like.

```
.text, #text, p{  
    color:rgb(74, 94, 151)  
}
```

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(74, 94, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 94, 151) }
```

Border

The CSS property to change the border of an element to Yxy 11.6956, 0.2257, 0.2127 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(74, 94, 151) }
```

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

```
.border{ border-color:rgb(74, 94, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 94, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 94, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 94, 151);  
box-shadow:4px 4px 4px 4px rgb(74, 94,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6956, 0.2257, 0.2127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 94, 151) }
```

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

```
.background{ background-color: rgb(74, 94,  
151) }
```

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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