

Converting Colors

$Y_{xy}(11.6851, 0.2257, 0.2022)$

Have a look what the booklet for
Yxy(11.6851, 0.2257, 0.2022)
contains.

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Color

Yxy(11.7169, 0.2258, 0.2027)

Conversions

Conversions Part 1

Format	Color
Hex	4F5C9C
RGB	79, 92, 156
RGB Percent	31%, 36%, 61%
CMY	0.6903, 0.6392, 0.3882
CMYK	0.49, 0.41, 0.00, 0.39
HSL	230°, 33%, 46%
HSV	230°, 49%, 61%
XYZ	13.0522, 11.7169, 33.0351
YIQ	95.4090, -28.2920, 17.1480

Conversions

Conversions Part 2

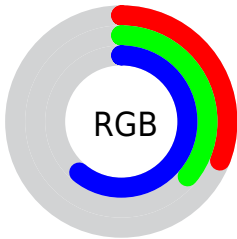
Format	Color
R _Y B	79, 90, 156
Decimal	5201052
CIE Lab	40.76, 13.29, -36.52
CIE LCh	41, 38.868, 289.999
Yxy	11.7169, 0.2258, 0.2027
Android (android.graphics.Color)	4283391132 (0xFF4F5C9C)
YUV	95.4090, 29.8714, -14.3907
Hunter-Lab	34.2300, 8.1612, -33.2594

Details

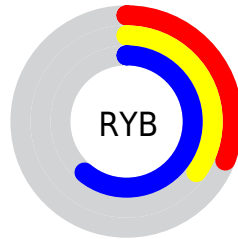
The Yxy color **11.7169, 0.2258, 0.2027** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.2776, 0.3924, 0.4291**, and the grayscale version is **11.4784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9547, 0.2466, 0.2307**, and **3.2031, 0.1871, 0.1558** is the 20% darker color. If you saturate the color by 10%, you get **9.0679, 0.2068, 0.1725**, and if you desaturate by 10%, it is **14.9081, 0.2452, 0.2324**.

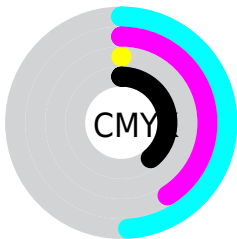
Distribution



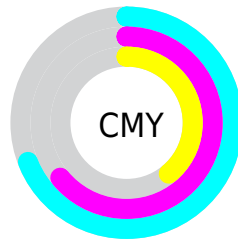
- Red (31%)
- Green (36%)
- Blue (61%)



- Red (31%)
- Yellow (35%)
- Blue (61%)



- Cyan (49%)
- Magenta (41%)
- Yellow (0%)
- Black (39%)



- Cyan (69%)
- Magenta (64%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7169, 0.2258, 0.2027 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 11.7169, 0.2258, 0.2027 by changing the saturation by 10% instead.

■ 11.7169, 0.2258,
0.2027

■ 11.7169, 0.2258,
0.2027

■ 202.5220, 0.2777,
0.2745

■ 6.5512, 0.2096,
0.1821

■ 28.9784, 0.2470,
0.2309

■ 3.1831, 0.1869,
0.1545

■ 41.8431, 0.2542,
0.2408

■ 1.2280, 0.1537,
0.1166

■ 58.0428, 0.2600,
0.2490

■ 0.0844, 0.0941,
0.0196

■ 77.9621, 0.2648,
0.2558

■ 0.0000, 0.0000,
0.0000

■ 101.9852, 0.2688,
0.2616

130.4967, 0.2722,

0.2665

163.8808, 0.2751,
0.2708

■ 11.7169, 0.2258,
0.2027

■ 11.7169, 0.2258,
0.2027

■ 9.0679, 0.2068,
0.1725

■ 14.9081, 0.2452,
0.2324

■ 6.9292, 0.1893,
0.1431

■ 18.6687, 0.2641,
0.2605

■ 5.2672, 0.1743,
0.1165

■ 23.0251, 0.2820,
0.2863

■ 4.0438, 0.1629,
0.0942

■ 28.0020, 0.2986,
0.3096

■ 3.1995, 0.1550,
0.0774

■ 33.6227, 0.3136,
0.3302

■ 3.1567, 0.1546,
0.0765

■ 39.9091, 0.3271,
0.3483

■ 46.8822, 0.3392,
0.3641

■ 54.5620, 0.3499,
0.3778

■ 62.9677, 0.3593,
0.3897

Harmonies

Analogous

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



11.7169, 0.1819, 0.2081



11.7169, 0.2258, 0.2027



11.7169, 0.2984, 0.2225

Triad

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



11.7169, 0.2258, 0.2027



11.7169, 0.4821, 0.3789



11.7169, 0.2329, 0.4083

Complementary

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



11.7169, 0.2258, 0.2027



27.2776, 0.3924, 0.4291

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.



11.7169, 0.3076, 0.4776



11.7169, 0.2258, 0.2027



11.7169, 0.4529, 0.4392

Square

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



11.7169, 0.2258, 0.2027



11.7169, 0.4587, 0.3179



11.7169, 0.3880, 0.4826



11.7169, 0.1840, 0.3144

Rectangle

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



11.7169, 0.2258, 0.2027



11.7169, 0.3573, 0.2476



11.7169, 0.3880, 0.4826



11.7169, 0.2558, 0.4371

Sweetspot

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



11.7173, 0.2258, 0.2027



45.3591, 0.2889, 0.2961



27.3951, 0.2590, 0.3550



9.6026, 0.2857, 0.2915



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



11.7173, 0.2258, 0.2027



16.1264, 0.2054, 0.1701



10.8956, 0.2483, 0.1874



6.6076, 0.2988, 0.3099



2.6363, 0.1549, 0.0774



0.0915, 0.1706, 0.1340

Inverse Universe

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



13.4316, 0.4228, 0.3079



20.1215, 0.4625, 0.3047



29.2233, 0.3566, 0.4579



6.6635, 0.3259, 0.3252



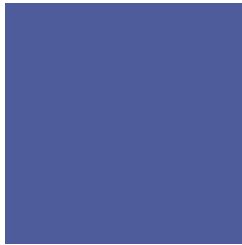
5.8884, 0.6111, 0.3140



0.1098, 0.5271, 0.2678

Previews

White Background



This preview shows how the Yxy color 11.7169, 0.2258, 0.2027 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 11.7169, 0.2258, 0.2027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

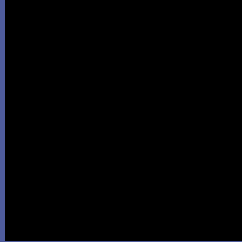
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7169, 0.2258, 0.2027

Background



This preview shows how black text looks on a background with the Yxy color 11.7169, 0.2258, 0.2027.



This preview shows how white text looks on a background with the Yxy color 11.7169, 0.2258, 0.2027.

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

11.7169, 0.2258, 0.2027

Protanopia

11.7761, 0.2174, 0.2016

Deuteranopia

11.7244, 0.2132, 0.2079



Tritanopia

11.7523, 0.2564, 0.3092

Trichromacy



Original Color

11.7169, 0.2258, 0.2027

Protanomaly

11.6795, 0.2201, 0.2017

Deuteranomaly

11.7799, 0.2182, 0.2074

Tritanomaly

11.5698, 0.2435, 0.2627

Monochromacy



Original Color

11.7169, 0.2258, 0.2027

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4136, 0.2752, 0.2771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7169, 0.2258, 0.2027 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(79, 92, 156)` looks like.

```
.text, #text, p{  
    color:rgb(79, 92, 156)  
}
```

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(79, 92, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 92, 156) }
```

Border

The CSS property to change the border of an element to Yxy 11.7169, 0.2258, 0.2027 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(79, 92, 156) }
```

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

```
.border{ border-color:rgb(79, 92, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 92, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 92, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 92, 156);  
box-shadow:4px 4px 4px 4px rgb(79, 92,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7169, 0.2258, 0.2027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 92, 156) }
```

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

```
.background{ background-color: rgb(79, 92,  
156) }
```

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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