

Converting Colors

$Y_{xy}(11.1824, 0.2238, 0.1609)$

Have a look what the booklet for
Yxy(11.1824, 0.2238, 0.1609)
contains.

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Color

Yxy(11.1645, 0.2237, 0.1602)

Conversions

Conversions Part 1

Format	Color
Hex	614EB1
RGB	97, 78, 177
RGB Percent	38%, 31%, 69%
CMY	0.6197, 0.6941, 0.3058
CMYK	0.45, 0.56, 0.00, 0.31
HSL	252°, 39%, 50%
HSV	252°, 56%, 69%
XYZ	15.5899, 11.1645, 42.9366
YIQ	94.9670, -20.4550, 34.8170

Conversions

Conversions Part 2

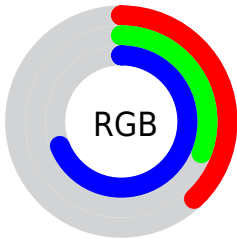
Format	Color
RYB	97, 78, 177
Decimal	6377137
CIELab	39.86, 32.94, -50.36
CIElCh	40, 60.174, 303.188
Yxy	11.1645, 0.2237, 0.1602
Android (android.graphics.Color)	4284567217 (0xFF614EB1)
YUV	94.9670, 40.4423, 1.7829
Hunter-Lab	33.4133, 24.8106, -52.7992

Details

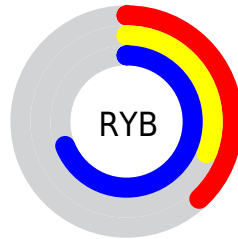
The Yxy color **11.1645, 0.2237, 0.1602** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **39.2734, 0.3732, 0.4696**, and the grayscale version is **11.3404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.9969, 0.2457, 0.1944**, and **2.9142, 0.1845, 0.1083** is the 20% darker color. If you saturate the color by 10%, you get **8.2628, 0.2052, 0.1294**, and if you desaturate by 10%, it is **14.8856, 0.2425, 0.1932**.

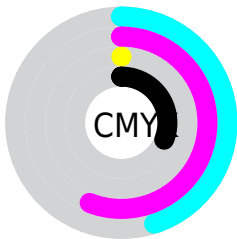
Distribution



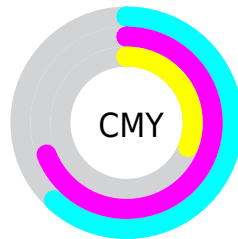
- Red (38%)
- Green (31%)
- Blue (69%)



- Red (38%)
- Yellow (31%)
- Blue (69%)



- Cyan (45%)
- Magenta (56%)
- Yellow (0%)
- Black (31%)





- Cyan (62%)
- Magenta (69%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.1645, 0.2237, 0.1602 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 11.1645, 0.2237, 0.1602 by changing the saturation by 10% instead.


 11.1645, 0.2237,
0.1602


 11.1645, 0.2237,
0.1602


198.7927, 0.2776,
0.2506


 6.1776, 0.2072,
0.1373


 27.9640, 0.2456,
0.1938


 2.9534, 0.1844,
0.1087

 40.5453, 0.2532,
0.2062

 1.1074, 0.1522,
0.0736

 56.4269, 0.2593,
0.2167

 0.0000, 0.1100,
0.0000

 75.9932, 0.2643,
0.2256

 0.0000, 0.0000,
0.0000

 99.6285, 0.2684,
0.2332

127.7172, 0.2720,

0.2398

160.6438, 0.2750,
0.2455

■ 11.1645, 0.2237,
0.1602

■ 11.1645, 0.2237,
0.1602

■ 8.2628, 0.2052,
0.1294

■ 14.8856, 0.2425,
0.1932

■ 6.1161, 0.1882,
0.1028

■ 19.4816, 0.2606,
0.2263

■ 4.6519, 0.1738,
0.0824

■ 25.0043, 0.2773,
0.2581

■ 3.7774, 0.1629,
0.0693

■ 31.5012, 0.2924,
0.2876

■ 3.5140, 0.1594,
0.0651

■ 39.0164, 0.3057,
0.3144

■ 47.5915, 0.3172,
0.3384

■ 57.2655, 0.3271,
0.3595

■ 68.0756, 0.3356,
0.3781

■ 80.0573, 0.3428,
0.3943

Harmonies

Analogous

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



11.1645, 0.1489, 0.1503



11.1645, 0.2237, 0.1602



11.1645, 0.3456, 0.1987

Triad

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



11.1645, 0.2237, 0.1602



11.1645, 0.5448, 0.4160



11.1645, 0.1540, 0.3834

Complementary

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



11.1645, 0.2237, 0.1602



39.2734, 0.3732, 0.4696

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.



11.1645, 0.2411, 0.5408



11.1645, 0.2237, 0.1602



11.1645, 0.4637, 0.5088

Square

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



11.1645, 0.2237, 0.1602



11.1645, 0.5619, 0.3344



11.1645, 0.3534, 0.5782



11.1645, 0.1146, 0.2438

Rectangle

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



11.1645, 0.2237, 0.1602



11.1645, 0.4403, 0.2382



11.1645, 0.3534, 0.5782



11.1645, 0.1781, 0.4409

Sweetspot

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



11.1649, 0.2237, 0.1602



54.7235, 0.2905, 0.2838



29.5444, 0.2367, 0.2982



11.3494, 0.2876, 0.2782



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



11.1649, 0.2237, 0.1602



13.8338, 0.2013, 0.1230



14.7043, 0.2792, 0.1828



8.3060, 0.3014, 0.3057



2.5660, 0.1601, 0.0656



0.1039, 0.1860, 0.0798

Inverse Universe

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



17.2681, 0.3441, 0.2198



26.0439, 0.3530, 0.2022



35.2748, 0.3280, 0.4933



8.6182, 0.3166, 0.3108



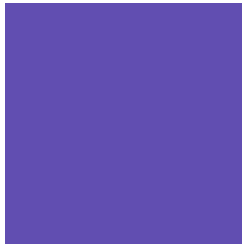
8.2191, 0.3754, 0.1841



0.2658, 0.3576, 0.1744

Previews

White Background



This preview shows how the Yxy color 11.1645, 0.2237, 0.1602 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 11.1645, 0.2237, 0.1602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

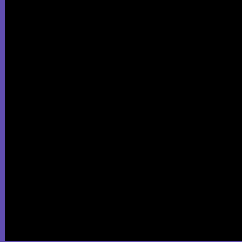
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.1645, 0.2237, 0.1602

Background



This preview shows how black text looks on a background with the Yxy color 11.1645, 0.2237, 0.1602.



This preview shows how white text looks on a background with the Yxy color 11.1645, 0.2237, 0.1602.

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

11.1645, 0.2237, 0.1602

Protanopia

11.2124, 0.1770, 0.1489

Deuteranopia

11.2303, 0.1839, 0.1821



Tritanopia

11.1890, 0.2757, 0.3095

Trichromacy



Original Color

11.1645, 0.2237, 0.1602

Protanomaly

10.8051, 0.1856, 0.1501

Deuteranomaly

10.4806, 0.1870, 0.1673

Tritanomaly

10.8823, 0.2536, 0.2400

Monochromacy



Original Color

11.1645, 0.2237, 0.1602

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.1122, 0.2742, 0.2519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1645, 0.2237, 0.1602 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(97, 78, 177)` looks like.

```
.text, #text, p{  
    color:rgb(97, 78, 177)  
}
```

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(97, 78, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 78, 177) }
```

Border

The CSS property to change the border of an element to Yxy 11.1645, 0.2237, 0.1602 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(97, 78, 177) }
```

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

```
.border{ border-color:rgb(97, 78, 177) }
```

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

Here you see how a box with a 4 pixel rgb(97, 78, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 78, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 78, 177);  
box-shadow:4px 4px 4px 4px rgb(97, 78,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 11.1645, 0.2237, 0.1602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 78, 177) }
```

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

```
.background{ background-color: rgb(97, 78,  
177) }
```

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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