

Converting Colors

$Y_{xy}(10.6012, 0.2239, 0.1579)$

Have a look what the booklet for
Yxy(10.6012, 0.2239, 0.1579)
contains.

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Color

Yxy(10.5749, 0.2241, 0.1582)

Conversions

Conversions Part 1

Format	Color
Hex	604BAE
RGB	96, 75, 174
RGB Percent	38%, 29%, 68%
CMY	0.6235, 0.7059, 0.3177
CMYK	0.45, 0.57, 0.00, 0.32
HSL	253°, 40%, 49%
HSV	253°, 57%, 68%
XYZ	14.9800, 10.5749, 41.2902
YIQ	92.5650, -19.2630, 35.2410

Conversions

Conversions Part 2

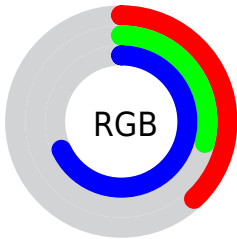
Format	Color
RYB	96, 75, 174
Decimal	6310830
CIELab	38.86, 33.64, -50.19
CIElCh	39, 60.416, 303.832
Yxy	10.5749, 0.2241, 0.1582
Android (android.graphics.Color)	4284500910 (0xFF604BAE)
YUV	92.5650, 40.1475, 3.0125
Hunter-Lab	32.5191, 25.3181, -52.5186

Details

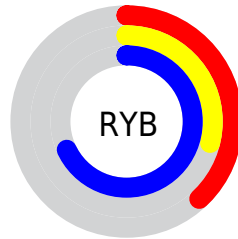
The Yxy color **10.5749, 0.2241, 0.1582** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **37.5455, 0.3719, 0.4727**, and the grayscale version is **10.7491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9597, 0.2463, 0.1931**, and **2.7404, 0.1838, 0.1060** is the 20% darker color. If you saturate the color by 10%, you get **7.8493, 0.2059, 0.1279**, and if you desaturate by 10%, it is **14.0761, 0.2425, 0.1908**.

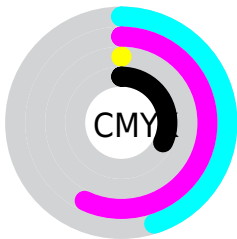
Distribution



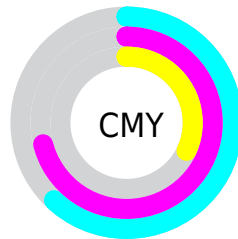
- Red (38%)
- Green (29%)
- Blue (68%)



- Red (38%)
- Yellow (29%)
- Blue (68%)



- Cyan (45%)
- Magenta (57%)
- Yellow (0%)
- Black (32%)





- Cyan (62%)
- Magenta (71%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5749, 0.2241, 0.1582 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 10.5749, 0.2241, 0.1582 by changing the saturation by 10% instead.


 10.5749, 0.2241,
0.1582


 10.5749, 0.2241,
0.1582


194.7274, 0.2782,
0.2501

 5.7818, 0.2073,
0.1348


 26.8714, 0.2463,
0.1924


 2.7128, 0.1840,
0.1056

 39.1435, 0.2538,
0.2051


 0.9837, 0.1508,
0.0699

 54.6774, 0.2599,
0.2157

 0.0000, 0.1057,
0.0000

 73.8574, 0.2649,
0.2247

 0.0000, 0.0000,
0.0000

 97.0681, 0.2691,
0.2325

124.6937, 0.2726,

0.2391

157.1187, 0.2756,
0.2450

■ 10.5749, 0.2241,
0.1582

■ 10.5749, 0.2241,
0.1582

■ 7.8493, 0.2059,
0.1279

■ 14.0761, 0.2425,
0.1908

■ 5.8376, 0.1891,
0.1019

■ 18.4061, 0.2603,
0.2237

■ 4.4700, 0.1749,
0.0822

■ 23.6143, 0.2768,
0.2554

■ 3.6483, 0.1640,
0.0694

■ 29.7463, 0.2916,
0.2850

■ 3.4478, 0.1612,
0.0662

■ 36.8441, 0.3047,
0.3120

■ 44.9474, 0.3161,
0.3362

■ 54.0934, 0.3258,
0.3576

■ 64.3176, 0.3342,
0.3764

■ 75.6538, 0.3412,
0.3929

Harmonies

Analogous

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



10.5749, 0.1475, 0.1475



10.5749, 0.2241, 0.1582



10.5749, 0.3491, 0.1977

Triad

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



10.5749, 0.2241, 0.1582



10.5749, 0.5470, 0.4178



10.5749, 0.1496, 0.3806

Complementary

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



10.5749, 0.2241, 0.1582



37.5455, 0.3719, 0.4727

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.



10.5749, 0.2366, 0.5439



10.5749, 0.2241, 0.1582



10.5749, 0.4636, 0.5136

Square

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



10.5749, 0.2241, 0.1582



10.5749, 0.5673, 0.3351



10.5749, 0.3503, 0.5840



10.5749, 0.1112, 0.2394

Rectangle

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



10.5749, 0.2241, 0.1582



10.5749, 0.4460, 0.2379



10.5749, 0.3503, 0.5840



10.5749, 0.1735, 0.4397

Sweetspot

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



10.5752, 0.2241, 0.1582



53.4784, 0.2911, 0.2839



27.7257, 0.2352, 0.2947



11.3752, 0.2883, 0.2783



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.



10.5752, 0.2241, 0.1582



13.2860, 0.2019, 0.1214



14.0432, 0.2806, 0.1815



7.8361, 0.3017, 0.3058



2.5227, 0.1620, 0.0666



0.0931, 0.1916, 0.0829

Inverse Universe

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



16.3284, 0.3477, 0.2208



24.9419, 0.3577, 0.2038



33.7608, 0.3266, 0.4968



8.1185, 0.3169, 0.3113



7.8469, 0.3820, 0.1878



0.2255, 0.3603, 0.1759

Previews

White Background



This preview shows how the Yxy color 10.5749, 0.2241, 0.1582 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 10.5749, 0.2241, 0.1582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

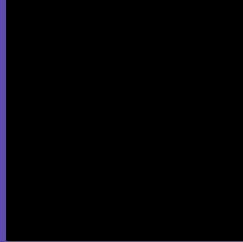
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5749, 0.2241, 0.1582

Background



This preview shows how black text looks on a background with the Yxy color 10.5749, 0.2241, 0.1582.



This preview shows how white text looks on a background with the Yxy color 10.5749, 0.2241, 0.1582.

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

10.5749, 0.2241, 0.1582

Protanopia

10.6103, 0.1742, 0.1471

Deuteranopia

10.5090, 0.1839, 0.1821



Tritanopia

10.5425, 0.2774, 0.3091

Trichromacy



Original Color

10.5749, 0.2241, 0.1582



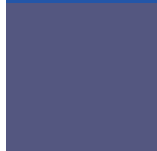
Protanomaly

9.9627, 0.1804, 0.1457



Deuteranomaly

9.8401, 0.1870, 0.1660



Tritanomaly

10.2597, 0.2546, 0.2383

Monochromacy



Original Color

10.5749, 0.2241, 0.1582



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.4404, 0.2746, 0.2502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5749, 0.2241, 0.1582 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(96, 75, 174)` looks like.

```
.text, #text, p{  
    color:rgb(96, 75, 174)  
}
```

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(96, 75, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 75, 174) }
```

Border

The CSS property to change the border of an element to Yxy 10.5749, 0.2241, 0.1582 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(96, 75, 174) }
```

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

```
.border{ border-color:rgb(96, 75, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 75, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 75, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 75, 174);  
box-shadow:4px 4px 4px 4px rgb(96, 75,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5749, 0.2241, 0.1582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 75, 174) }
```

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

```
.background{ background-color: rgb(96, 75,  
174) }
```

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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