

Converting Colors

$Y_{xy}(16.5833, 0.2090, 0.1427)$

Have a look what the booklet for
Yxy(16.5833, 0.2090, 0.1427)
contains.

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Color

Yxy(16.5707, 0.2089, 0.1427)

Conversions

Conversions Part 1

Format	Color
Hex	6E5CE4
RGB	110, 92, 228
RGB Percent	43%, 36%, 89%
CMY	0.5686, 0.6392, 0.1060
CMYK	0.52, 0.60, 0.00, 0.11
HSL	248°, 72%, 63%
HSV	248°, 60%, 89%
XYZ	24.2580, 16.5707, 75.2939
YIQ	112.8860, -32.9280, 46.1120

Conversions

Conversions Part 2

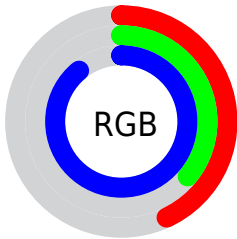
Format	Color
R _{YB}	110, 92, 228
Decimal	7232740
CIE _{Lab}	47.71, 42.53, -67.01
CIE _{LCh}	48, 79.363, 302.401
Yxy	16.5707, 0.2089, 0.1427
Android (android.graphics.Color)	4285422820 (0xFF6E5CE4)
YUV	112.8860, 56.7512, -2.5310
Hunter-Lab	40.7071, 35.1335, -81.1707

Details

The Yxy color **16.5707, 0.2089, 0.1427** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **69.9373, 0.3830, 0.4763**, and the grayscale version is **16.3159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2999, 0.2476, 0.1976**, and **5.3525, 0.1735, 0.0996** is the 20% darker color. If you saturate the color by 10%, you get **12.0674, 0.1903, 0.1127**, and if you desaturate by 10%, it is **22.5460, 0.2287, 0.1761**.

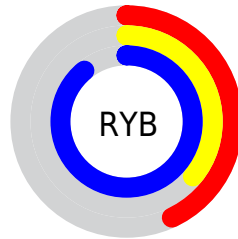
Distribution



Red (43%)

Green (36%)

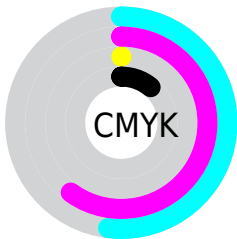
Blue (89%)



Red (43%)

Yellow (36%)

Blue (89%)

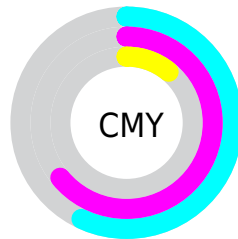


Cyan (52%)

Magenta (60%)

Yellow (0%)

Black (11%)



Cyan (57%)

Magenta (64%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5707, 0.2089, 0.1427 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 16.5707, 0.2089, 0.1427 by changing the saturation by 10% instead.

■ 16.5707, 0.2089,
0.1427

■ 16.5707, 0.2089,
0.1427

■ 232.6862, 0.2672,
0.2333

■ 9.9289, 0.1934,
0.1227

■ 37.5862, 0.2311,
0.1740

■ 5.3518, 0.1735,
0.0991

■ 52.7286, 0.2392,
0.1863

■ 2.4551, 0.1475,
0.0719

■ 71.4734, 0.2459,
0.1970

■ 0.8540, 0.1138,
0.0422

■ 94.2049, 0.2515,
0.2062

■ 0.0000, 0.0729,
0.0000

■ 121.3076, 0.2563,
0.2142

■ 0.0000, 0.0000,
0.0000

153.1657, 0.2605,

0.2214

190.1638, 0.2641,
0.2277

■ 16.5707, 0.2089,
0.1427

■ 16.5707, 0.2089,
0.1427

■ 12.0674, 0.1903,
0.1127

■ 22.5460, 0.2287,
0.1761

■ 8.9053, 0.1744,
0.0885

■ 30.1057, 0.2485,
0.2106

■ 6.9327, 0.1624,
0.0719

■ 39.3530, 0.2673,
0.2442


■ 5.9072, 0.1546,
0.0627

■ 50.3819, 0.2845,
0.2757

■ 5.8784, 0.1544,
0.0624

■ 63.2793, 0.2998,
0.3043

 78.1266, 0.3132,
0.3299

 95.0003, 0.3247,
0.3523

 98.3796, 0.3286,
0.3552

Harmonies

Analogous

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



16.5707, 0.1306, 0.1326



16.5707, 0.2089, 0.1427



16.5707, 0.3442, 0.1827

Triad

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



16.5707, 0.2089, 0.1427



16.5707, 0.5688, 0.4105



16.5707, 0.1350, 0.3948

Complementary

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



16.5707, 0.2089, 0.1427



69.9373, 0.3830, 0.4763

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.



16.5707, 0.2286, 0.5841



16.5707, 0.2089, 0.1427



16.5707, 0.4751, 0.5184

Square

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



16.5707, 0.2089, 0.1427



16.5707, 0.5940, 0.3246



16.5707, 0.3502, 0.6104



16.5707, 0.0951, 0.2317

Rectangle

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



16.5707, 0.2089, 0.1427



16.5707, 0.4542, 0.2245



16.5707, 0.3502, 0.6104



16.5707, 0.1605, 0.4649

Sweetspot

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



16.5712, 0.2089, 0.1427



67.3441, 0.2870, 0.2803



55.0147, 0.2348, 0.3077



13.4479, 0.2822, 0.2715



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



16.5712, 0.2089, 0.1427



14.2488, 0.1855, 0.1052



22.4679, 0.2664, 0.1677



13.9782, 0.3001, 0.3048



3.4243, 0.1552, 0.0629



0.2826, 0.1657, 0.0687

Inverse Universe

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



28.7956, 0.3383, 0.2053



31.5694, 0.3449, 0.1880



62.1818, 0.3340, 0.5042



14.5807, 0.3158, 0.3089



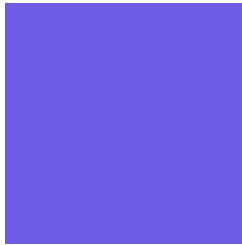
11.8862, 0.3573, 0.1742



0.8875, 0.3512, 0.1709

Previews

White Background



This preview shows how the Yxy color 16.5707, 0.2089, 0.1427 looks on a white background.

Color Contrast Check

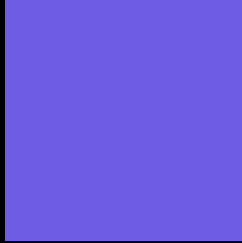
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5707, 0.2089, 0.1427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

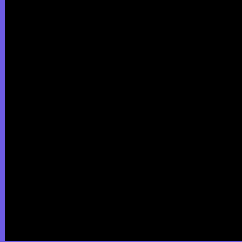
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5707, 0.2089, 0.1427

Background



This preview shows how black text looks on a background with the Yxy color 16.5707, 0.2089, 0.1427.



This preview shows how white text looks on a background with the Yxy color 16.5707, 0.2089, 0.1427.

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

16.5707, 0.2089, 0.1427

Protanopia

16.7068, 0.1739, 0.1461

Deuteranopia

16.4785, 0.1838, 0.1817



Tritanopia

16.4409, 0.2579, 0.3076

Trichromacy



Original Color

16.5707, 0.2089, 0.1427



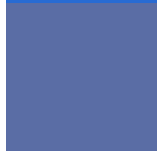
Protanomaly

15.8648, 0.1775, 0.1407



Deuteranomaly

15.6697, 0.1839, 0.1611



Tritanomaly

15.8276, 0.2351, 0.2258

Monochromacy



Original Color

16.5707, 0.2089, 0.1427



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.9145, 0.2646, 0.2385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5707, 0.2089, 0.1427 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(110, 92, 228)` looks like.

```
.text, #text, p{  
    color:rgb(110, 92, 228)  
}
```

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(110, 92, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 92, 228) }
```

Border

The CSS property to change the border of an element to Yxy 16.5707, 0.2089, 0.1427 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(110, 92, 228) }
```

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

```
.border{ border-color:rgb(110, 92, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 92, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 92, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 92, 228);  
box-shadow:4px 4px 4px 4px rgb(110, 92,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5707, 0.2089, 0.1427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 92, 228) }
```

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

```
.background{ background-color: rgb(110, 92,  
228) }
```

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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