

Converting Colors

$Y_{xy}(16.7693, 0.2135, 0.1450)$

Have a look what the booklet for
Yxy(16.7693, 0.2135, 0.1450)
contains.

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Color

Yxy(16.7901, 0.2136, 0.1456)

Conversions

Conversions Part 1

Format	Color
Hex	735CE2
RGB	115, 92, 226
RGB Percent	45%, 36%, 89%
CMY	0.5487, 0.6393, 0.1137
CMYK	0.49, 0.59, 0.00, 0.11
HSL	250°, 70%, 62%
HSV	250°, 59%, 89%
XYZ	24.6316, 16.7901, 73.8949
YIQ	114.1530, -29.3060, 46.5500

Conversions

Conversions Part 2

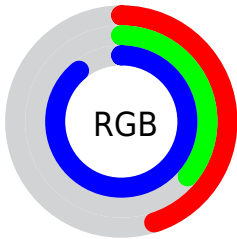
Format	Color
R_{YB}	115, 92, 226
Decimal	7560418
CIE _{Lab}	47.99, 42.94, -65.42
CIE _{LCh}	48, 78.256, 303.279
Yxy	16.7901, 0.2136, 0.1456
Android (android.graphics.Color)	4285750498 (0xFF735CE2)
YUV	114.1530, 55.1406, 0.7428
Hunter-Lab	40.9757, 35.5937, -78.2395

Details

The Yxy color **16.7901, 0.2136, 0.1456** 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 **67.8486, 0.3785, 0.4779**, and the grayscale version is **16.7157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8636, 0.2514, 0.1989**, and **5.4337, 0.1787, 0.1014** is the 20% darker color. If you saturate the color by 10%, you get **12.3002, 0.1952, 0.1157**, and if you desaturate by 10%, it is **22.7057, 0.2330, 0.1787**.

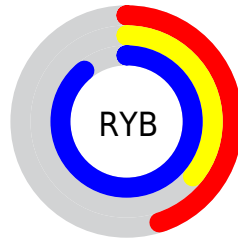
Distribution



Red (45%)

Green (36%)

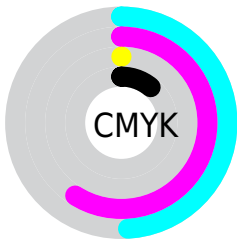
Blue (89%)



Red (45%)

Yellow (36%)

Blue (89%)

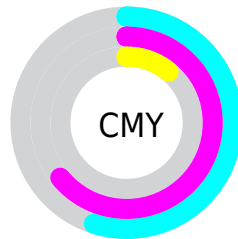


Cyan (49%)

Magenta (59%)

Yellow (0%)

Black (11%)



Cyan (55%)


Magenta (64%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7901, 0.2136, 0.1456 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 16.7901, 0.2136, 0.1456 by changing the saturation by 10% instead.


 16.7901, 0.2136,
0.1456


 16.7901, 0.2136,
0.1456

233.9599, 0.2696,
0.2350


 10.0850, 0.1986,
0.1257


 37.9645, 0.2350,
0.1766


 5.4553, 0.1791,
0.1022


 53.2026, 0.2427,
0.1888

 2.5168, 0.1536,
0.0748

 72.0538, 0.2492,
0.1992

 0.8850, 0.1201,
0.0446

 94.9024, 0.2546,
0.2083

 0.0000, 0.0789,
0.0000

122.1330, 0.2592,
0.2163

 0.0000, 0.0000,
0.0000

154.1298, 0.2631,

0.2233

191.2773, 0.2666,
0.2295

■ 16.7901, 0.2136,
0.1456

■ 16.7901, 0.2136,
0.1456

■ 12.3002, 0.1952,
0.1157

■ 22.7057, 0.2330,
0.1787

■ 9.1115, 0.1790,
0.0914

■ 30.1540, 0.2521,
0.2127

■ 7.0800, 0.1662,
0.0742

■ 39.2335, 0.2700,
0.2459

■ 5.9814, 0.1574,
0.0644

■ 50.0339, 0.2864,
0.2770

■ 5.9215, 0.1569,
0.0638

■ 62.6383, 0.3009,
0.3053

■ 77.1244, 0.3135,
0.3307

■ 93.5653, 0.3244,
0.3530

■ 98.2711, 0.3298,
0.3572

Harmonies

Analogous

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



16.7901, 0.1344, 0.1347



16.7901, 0.2136, 0.1456



16.7901, 0.3485, 0.1862

Triad

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



16.7901, 0.2136, 0.1456



16.7901, 0.5640, 0.4139



16.7901, 0.1358, 0.3881

Complementary

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



16.7901, 0.2136, 0.1456



67.8486, 0.3785, 0.4779

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.



16.7901, 0.2274, 0.5749



16.7901, 0.2136, 0.1456



16.7901, 0.4703, 0.5197

Square

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



16.7901, 0.2136, 0.1456



16.7901, 0.5905, 0.3281



16.7901, 0.3477, 0.6077



16.7901, 0.0972, 0.2304

Rectangle

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



16.7901, 0.2136, 0.1456



16.7901, 0.4565, 0.2281



16.7901, 0.3477, 0.6077



16.7901, 0.1607, 0.4563

Sweetspot

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



16.7906, 0.2136, 0.1456



67.6234, 0.2882, 0.2805



50.7910, 0.2331, 0.2986



13.5147, 0.2837, 0.2717



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.



16.7906, 0.2136, 0.1456



15.1235, 0.1914, 0.1099



23.0040, 0.2735, 0.1715



13.3563, 0.3007, 0.3049



3.4135, 0.1579, 0.0643



0.2710, 0.1712, 0.0717

Inverse Universe

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



28.1259, 0.3442, 0.2106



31.5216, 0.3524, 0.1945



60.4547, 0.3294, 0.5057



13.8930, 0.3164, 0.3098



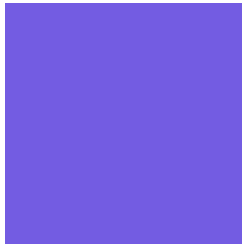
11.2879, 0.3698, 0.1811



0.7933, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 16.7901, 0.2136, 0.1456 looks on a white background.

Color Contrast Check

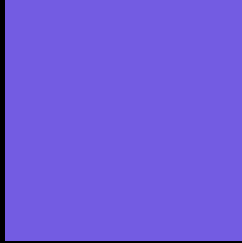
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7901, 0.2136, 0.1456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

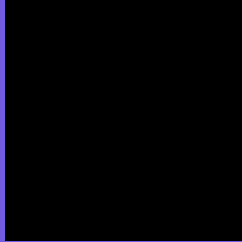
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7901, 0.2136, 0.1456

Background



This preview shows how black text looks on a background with the Yxy color 16.7901, 0.2136, 0.1456.



This preview shows how white text looks on a background with the Yxy color 16.7901, 0.2136, 0.1456.

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

16.7901, 0.2136, 0.1456

Protanopia

16.8205, 0.1735, 0.1447

Deuteranopia

16.7551, 0.1840, 0.1824



Tritanopia

16.7784, 0.2666, 0.3101

Trichromacy



Original Color

16.7901, 0.2136, 0.1456

Protanomaly

15.9059, 0.1780, 0.1409

Deuteranomaly

15.7108, 0.1845, 0.1613

Tritanomaly

16.1590, 0.2422, 0.2289

Monochromacy



Original Color

16.7901, 0.2136, 0.1456

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.2520, 0.2670, 0.2409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7901, 0.2136, 0.1456 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(115, 92, 226)` looks like.

```
.text, #text, p{  
    color:rgb(115, 92, 226)  
}
```

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(115, 92, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 92, 226) }
```

Border

The CSS property to change the border of an element to Yxy 16.7901, 0.2136, 0.1456 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(115, 92, 226) }
```

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

```
.border{ border-color:rgb(115, 92, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 92, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 92, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 92, 226);  
box-shadow:4px 4px 4px 4px rgb(115, 92,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7901, 0.2136, 0.1456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 92, 226) }
```

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

```
.background{ background-color: rgb(115, 92,  
226) }
```

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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