

Converting Colors

$Y_{xy}(14.6036, 0.2132, 0.1327)$

Have a look what the booklet for
Yxy(14.6036, 0.2132, 0.1327)
contains.

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Color

Yxy(14.6125, 0.2133, 0.1326)

Conversions

Conversions Part 1

Format	Color
Hex	754EE0
RGB	117, 78, 224
RGB Percent	46%, 31%, 88%
CMY	0.5414, 0.6940, 0.1217
CMYK	0.48, 0.65, 0.00, 0.12
HSL	256°, 70%, 59%
HSV	256°, 65%, 88%
XYZ	23.5056, 14.6125, 72.0817
YIQ	106.3050, -23.6220, 53.6740

Conversions

Conversions Part 2

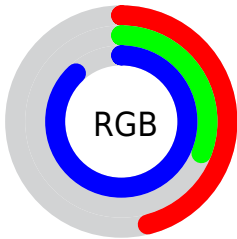
Format	Color
R_{YB}	117, 78, 224
Decimal	7687904
CIE _{Lab}	45.10, 50.49, -68.97
CIE _{LCh}	45, 85.471, 306.207
Yxy	14.6125, 0.2133, 0.1326
Android (android.graphics.Color)	4285877984 (0xFF754EE0)
YUV	106.3050, 58.0236, 9.3795
Hunter-Lab	38.2263, 42.8649, -85.0422

Details

The Yxy color **14.6125, 0.2133, 0.1326** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **64.1695, 0.3716, 0.4963**, and the grayscale version is **14.3450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1506, 0.2511, 0.1843**, and **4.4419, 0.1770, 0.0873** is the 20% darker color. If you saturate the color by 10%, you get **10.9131, 0.1965, 0.1063**, and if you desaturate by 10%, it is **19.5957, 0.2311, 0.1630**.

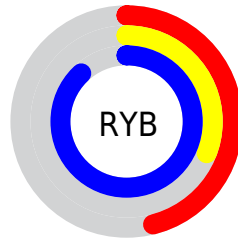
Distribution



Red (46%)

Green (31%)

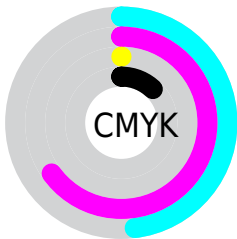
Blue (88%)



Red (46%)

Yellow (31%)

Blue (88%)

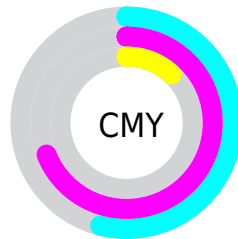


Cyan (48%)

Magenta (65%)

Yellow (0%)

Black (12%)



Cyan (54%)


Magenta (69%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.6125, 0.2133, 0.1326 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 14.6125, 0.2133, 0.1326 by changing the saturation by 10% instead.


 14.6125, 0.2133,
0.1326

 14.6125, 0.2133,
0.1326


221.0086, 0.2708,
0.2277

 8.5479, 0.1976,
0.1119


 34.1719, 0.2355,
0.1653


 4.4475, 0.1772,
0.0879


 48.4356, 0.2435,
0.1782

 1.9269, 0.1504,
0.0606

 66.2010, 0.2501,
0.1894

 0.5645, 0.1155,
0.0303

 87.8526, 0.2556,
0.1991

 0.0000, 0.0715,
0.0000

 113.7747, 0.2603,
0.2076

 0.0000, 0.0000,
0.0000

144.3519, 0.2643,

0.2151

179.9684, 0.2677,
0.2218

■ 14.6125, 0.2133,
0.1326

■ 14.6125, 0.2133,
0.1326

■ 10.9131, 0.1965,
0.1063

■ 19.5957, 0.2311,
0.1630

■ 8.3707, 0.1817,
0.0861

■ 25.9703, 0.2489,
0.1956

■ 6.8330, 0.1699,
0.0729

■ 33.8335, 0.2658,
0.2283

■ 6.3317, 0.1653,
0.0684

■ 43.2736, 0.2813,
0.2599

■ 54.3717, 0.2951,
0.2894

67.2032, 0.3072,
0.3162

81.8390, 0.3176,
0.3403

96.9219, 0.3267,
0.3596

98.1602, 0.3310,
0.3592

Harmonies

Analogous

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



14.6125, 0.1244, 0.1180



14.6125, 0.2133, 0.1326



14.6125, 0.3690, 0.1779

Triad

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



14.6125, 0.2133, 0.1326



14.6125, 0.5789, 0.4211



14.6125, 0.1095, 0.3708

Complementary

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



14.6125, 0.2133, 0.1326



64.1695, 0.3716, 0.4963

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.



14.6125, 0.1988, 0.6018



14.6125, 0.2133, 0.1326



14.6125, 0.4606, 0.5394

Square

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



14.6125, 0.2133, 0.1326



14.6125, 0.6234, 0.3264



14.6125, 0.3251, 0.6477



14.6125, 0.0779, 0.2038

Rectangle

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



14.6125, 0.2133, 0.1326



14.6125, 0.4923, 0.2233



14.6125, 0.3251, 0.6477



14.6125, 0.1326, 0.4511

Sweetspot

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



14.6129, 0.2133, 0.1326



65.2488, 0.2884, 0.2750



42.7502, 0.2236, 0.2773



13.0830, 0.2844, 0.2665



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.



14.6129, 0.2133, 0.1326



13.3169, 0.1911, 0.0987



21.4616, 0.2809, 0.1639



13.4191, 0.3022, 0.3051



3.7346, 0.1666, 0.0691



0.3021, 0.1826, 0.0779

Inverse Universe

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



24.8032, 0.3655, 0.2147



28.3613, 0.3803, 0.2023



57.4591, 0.3215, 0.5274



13.8700, 0.3178, 0.3120



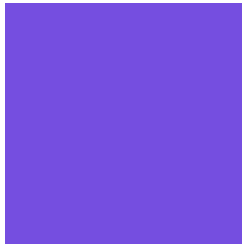
10.8105, 0.4019, 0.1988



0.7639, 0.3866, 0.1903

Previews

White Background



This preview shows how the Yxy color 14.6125, 0.2133, 0.1326 looks on a white background.

Color Contrast Check

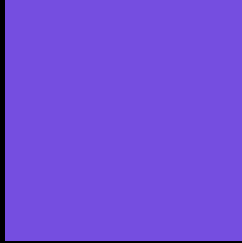
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.6125, 0.2133, 0.1326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

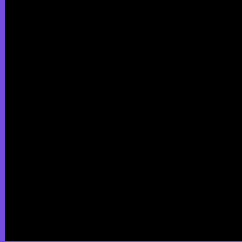
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.6125, 0.2133, 0.1326

Background



This preview shows how black text looks on a background with the Yxy color 14.6125, 0.2133, 0.1326.



This preview shows how white text looks on a background with the Yxy color 14.6125, 0.2133, 0.1326.

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

14.6125, 0.2133, 0.1326

Protanopia

14.7102, 0.1743, 0.1476

Deuteranopia

14.5681, 0.1847, 0.1850



Tritanopia

14.5585, 0.2747, 0.3093

Trichromacy



Original Color

14.6125, 0.2133, 0.1326

Protanomaly

13.6863, 0.1774, 0.1355

Deuteranomaly

13.4660, 0.1841, 0.1559

Tritanomaly

13.8223, 0.2470, 0.2188

Monochromacy



Original Color

14.6125, 0.2133, 0.1326

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.8507, 0.2666, 0.2303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6125, 0.2133, 0.1326 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(117, 78, 224)` looks like.

```
.text, #text, p{  
    color:rgb(117, 78, 224)  
}
```

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(117, 78, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 78, 224) }
```

Border

The CSS property to change the border of an element to Yxy 14.6125, 0.2133, 0.1326 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(117, 78, 224) }
```

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

```
.border{ border-color:rgb(117, 78, 224) }
```

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

Here you see how a box with a 4 pixel rgb(117, 78, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 78, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 78, 224);  
box-shadow:4px 4px 4px 4px rgb(117, 78,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6125, 0.2133, 0.1326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 78, 224) }
```

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

```
.background{ background-color: rgb(117, 78,  
224) }
```

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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