

Converting Colors

$Y_{xy}(14.2420, 0.1993, 0.1135)$

Have a look what the booklet for
Yxy(14.2420, 0.1993, 0.1135)
contains.

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Color

Yxy(14.2961, 0.1995, 0.1138)

Conversions

Conversions Part 1

Format	Color
Hex	7046F3
RGB	112, 70, 243
RGB Percent	44%, 27%, 95%
CMY	0.5605, 0.7257, 0.0469
CMYK	0.54, 0.71, 0.00, 0.05
HSL	255°, 88%, 61%
HSV	255°, 71%, 95%
XYZ	25.0621, 14.2961, 86.2665
YIQ	102.2800, -30.5010, 62.7070

Conversions

Conversions Part 2

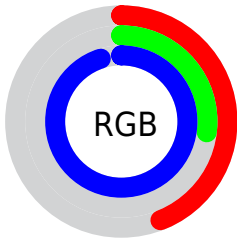
Format	Color
R _{YB}	112, 70, 243
Decimal	7358195
CIE Lab	44.65, 59.18, -80.49
CIE LCh	45, 99.904, 306.327
Yxy	14.2961, 0.1995, 0.1138
Android (android.graphics.Color)	4285548275 (0xFF7046F3)
YUV	102.2800, 69.3750, 8.5244
Hunter-Lab	37.8102, 52.1493, -108.8071

Details

The Yxy color **14.2961, 0.1995, 0.1138** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle washed purple. A complement of this color would be **76.9725, 0.3769, 0.5070**, and the grayscale version is **13.1835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1377, 0.2486, 0.1765**, and **4.2854, 0.1617, 0.0711** is the 20% darker color. If you saturate the color by 10%, you get **10.7628, 0.1838, 0.0910**, and if you desaturate by 10%, it is **19.3054, 0.2171, 0.1422**.

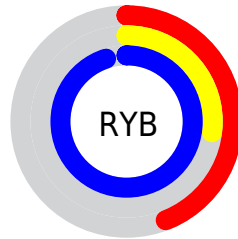
Distribution



Red (44%)

Green (27%)

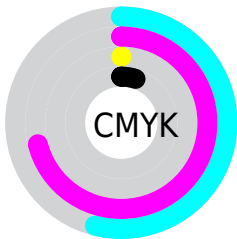
Blue (95%)



Red (44%)

Yellow (27%)

Blue (95%)

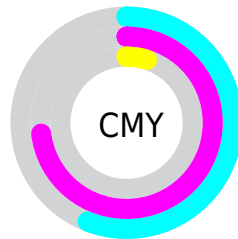


Cyan (54%)

Magenta (71%)

Yellow (0%)

Black (5%)



Cyan (56%)

Magenta (73%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2961, 0.1995, 0.1138 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 14.2961, 0.1995, 0.1138 by changing the saturation by 10% instead.

■ 14.2961, 0.1995,
0.1138

■ 14.2961, 0.1995,
0.1138

■ 219.0652, 0.2637,
0.2136

■ 8.3269, 0.1828,
0.0937

■ 33.6135, 0.2237,
0.1469

■ 4.3048, 0.1617,
0.0711

■ 47.7305, 0.2327,
0.1603

■ 1.8455, 0.1350,
0.0468

■ 65.3322, 0.2401,
0.1721

■ 0.5153, 0.1019,
0.0212

■ 86.8030, 0.2463,
0.1825

■ 0.0000, 0.0629,
0.0000

■ 112.5273, 0.2517,
0.1916

■ 0.0000, 0.0000,
0.0000

142.8895, 0.2563,

0.1998

178.2740, 0.2602,
0.2071

■ 14.2961, 0.1995,
0.1138

■ 14.2961, 0.1995,
0.1138

■ 10.7628, 0.1838,
0.0910

■ 19.3054, 0.2171,
0.1422

■ 8.5305, 0.1710,
0.0752


■ 25.9360, 0.2355,
0.1740

■ 7.4086, 0.1626,
0.0669


■ 34.3163, 0.2536,
0.2073

■ 44.5615, 0.2705,
0.2402

■ 56.7766, 0.2859,
0.2714

 71.0590, 0.2995,
0.3001

 87.4993, 0.3114,
0.3260

 99.2537, 0.3197,
0.3405

Harmonies

Analogous

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



14.2961, 0.1061, 0.0986



14.2961, 0.1995, 0.1138



14.2961, 0.3758, 0.1607

Triad

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



14.2961, 0.1995, 0.1138



14.2961, 0.5933, 0.4067



14.2961, 0.0841, 0.3708

Complementary

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



14.2961, 0.1995, 0.1138



76.9725, 0.3769, 0.5070

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.



14.2961, 0.1722, 0.6596



14.2961, 0.1995, 0.1138



14.2961, 0.4552, 0.5448

Square

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



14.2961, 0.1995, 0.1138



14.2961, 0.6613, 0.3110



14.2961, 0.3056, 0.6944



14.2961, 0.0573, 0.1819

Rectangle

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



14.2961, 0.1995, 0.1138



14.2961, 0.5212, 0.2081



14.2961, 0.3056, 0.6944



14.2961, 0.1059, 0.4704

Sweetspot

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



14.2965, 0.1995, 0.1138



63.5729, 0.2862, 0.2719



50.3214, 0.2188, 0.2754



12.7492, 0.2821, 0.2635



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.



14.2965, 0.1995, 0.1138



10.8473, 0.1783, 0.0838



22.7008, 0.2738, 0.1502



16.1215, 0.3017, 0.3048



4.1167, 0.1638, 0.0676



0.4077, 0.1759, 0.0742

Inverse Universe

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



27.6475, 0.3674, 0.2044



26.9376, 0.3813, 0.1952



68.2885, 0.3218, 0.5441



16.6953, 0.3175, 0.3113



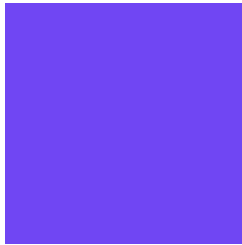
12.3760, 0.3940, 0.1944



1.1038, 0.3829, 0.1883

Previews

White Background



This preview shows how the Yxy color 14.2961, 0.1995, 0.1138 looks on a white background.

Color Contrast Check

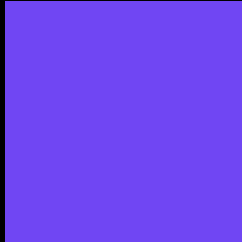
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.2961, 0.1995, 0.1138 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 14.2961, 0.1995, 0.1138

Background



This preview shows how black text looks on a background with the Yxy color 14.2961, 0.1995, 0.1138.



This preview shows how white text looks on a background with the Yxy color 14.2961, 0.1995, 0.1138.

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

14.2961, 0.1995, 0.1138

Protanopia

14.1624, 0.1741, 0.1469

Deuteranopia

14.1858, 0.1855, 0.1878



Tritanopia

14.3084, 0.2554, 0.3085

Trichromacy



Original Color

14.2961, 0.1995, 0.1138



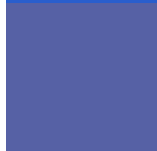
Protanomaly

13.2200, 0.1743, 0.1269



Deuteranomaly

12.8846, 0.1806, 0.1460



Tritanomaly

13.2444, 0.2275, 0.2022

Monochromacy



Original Color

14.2961, 0.1995, 0.1138



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.6764, 0.2567, 0.2120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2961, 0.1995, 0.1138 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(112, 70, 243)` looks like.

```
.text, #text, p{  
    color:rgb(112, 70, 243)  
}
```

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(112, 70, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 70, 243) }
```

Border

The CSS property to change the border of an element to Yxy 14.2961, 0.1995, 0.1138 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(112, 70, 243) }
```

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

```
.border{ border-color:rgb(112, 70, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 70, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 70, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 70, 243);  
box-shadow:4px 4px 4px 4px rgb(112, 70,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2961, 0.1995, 0.1138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 70, 243) }
```

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

```
.background{ background-color: rgb(112, 70,  
243) }
```

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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