

Converting Colors

$Y_{xy}(13.5612, 0.2111, 0.1295)$

Have a look what the booklet for
Yxy(13.5612, 0.2111, 0.1295)
contains.

Yxy(13.5756, 0.2114, 0.1294)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.5756, 0.2114, 0.1294)

Conversions

Conversions Part 1

Format	Color
Hex	714ADC
RGB	113, 74, 220
RGB Percent	44%, 29%, 86%
CMY	0.5568, 0.7098, 0.1373
CMYK	0.49, 0.66, 0.00, 0.14
HSL	256°, 68%, 58%
HSV	256°, 66%, 86%
XYZ	22.1784, 13.5756, 69.1579
YIQ	102.3050, -23.6220, 53.6740

Conversions

Conversions Part 2

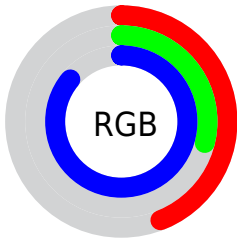
Format	Color
R _Y B	113, 74, 220
Decimal	7424732
CIE Lab	43.62, 50.85, -69.13
CIE LCh	44, 85.816, 306.336
Yxy	13.5756, 0.2114, 0.1294
Android (android.graphics.Color)	4285614812 (0xFF714ADC)
YUV	102.3050, 58.0236, 9.3795
Hunter-Lab	36.8451, 42.9667, -85.4953

Details

The Yxy color **13.5756, 0.2114, 0.1294** 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 **61.4977, 0.3721, 0.4988**, and the grayscale version is **13.2217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6579, 0.2474, 0.1789**, and **3.9866, 0.1738, 0.0835** is the 20% darker color. If you saturate the color by 10%, you get **10.1587, 0.1948, 0.1038**, and if you desaturate by 10%, it is **18.2097, 0.2291, 0.1594**.

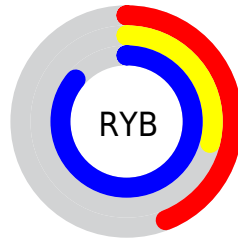
Distribution



Red (44%)

Green (29%)

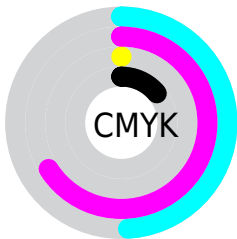
Blue (86%)



Red (44%)

Yellow (29%)

Blue (86%)

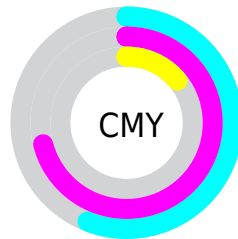


Cyan (49%)

Magenta (66%)

Yellow (0%)

Black (14%)



Cyan (56%)


Magenta (71%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5756, 0.2114, 0.1294 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 13.5756, 0.2114, 0.1294 by changing the saturation by 10% instead.


 13.5756, 0.2114,
0.1294


 13.5756, 0.2114,
0.1294


214.5744, 0.2704,
0.2266

 7.8261, 0.1951,
0.1082

 32.3341, 0.2343,
0.1629

 3.9839, 0.1739,
0.0837


 46.1118, 0.2425,
0.1761


 1.6645, 0.1460,
0.0562

 63.3344, 0.2493,
0.1875

 0.4005, 0.1101,
0.0234

 84.3863, 0.2550,
0.1974

 0.0000, 0.0623,
0.0000

 109.6519, 0.2597,
0.2061

 0.0000, 0.0000,
0.0000

139.5155, 0.2638,

0.2137

174.3615, 0.2674,
0.2205

■ 13.5756, 0.2114,
0.1294

■ 13.5756, 0.2114,
0.1294

■ 10.1587, 0.1948,
0.1038

■ 18.2097, 0.2291,
0.1594

■ 7.8352, 0.1803,
0.0843

■ 24.1655, 0.2469,
0.1918

■ 6.4531, 0.1689,
0.0719

■ 31.5373, 0.2639,
0.2246

■ 6.0911, 0.1655,
0.0685

■ 40.4103, 0.2796,
0.2563

■ 50.8628, 0.2936,
0.2860

■ 62.9676, 0.3058,
0.3132

■ 76.7932, 0.3164,
0.3375

■ 92.4037, 0.3254,
0.3592

■ 97.9471, 0.3334,
0.3631

Harmonies

Analogous

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



13.5756, 0.1214, 0.1145



13.5756, 0.2114, 0.1294



13.5756, 0.3708, 0.1752

Triad

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



13.5756, 0.2114, 0.1294



13.5756, 0.5809, 0.4191



13.5756, 0.1049, 0.3701

Complementary

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



13.5756, 0.2114, 0.1294



61.4977, 0.3721, 0.4988

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.



13.5756, 0.1941, 0.6105



13.5756, 0.2114, 0.1294



13.5756, 0.4592, 0.5408

Square

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



13.5756, 0.2114, 0.1294



13.5756, 0.6301, 0.3244



13.5756, 0.3223, 0.6571



13.5756, 0.0741, 0.1997

Rectangle

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



13.5756, 0.2114, 0.1294



13.5756, 0.4978, 0.2210



13.5756, 0.3223, 0.6571



13.5756, 0.1277, 0.4534

Sweetspot

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



13.5760, 0.2114, 0.1294



65.2548, 0.2884, 0.2750



39.6953, 0.2216, 0.2726



13.0844, 0.2845, 0.2666



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.



13.5760, 0.2114, 0.1294



12.6234, 0.1882, 0.0946



20.4938, 0.2828, 0.1628



12.7847, 0.3022, 0.3051



3.6218, 0.1667, 0.0692



0.2766, 0.1839, 0.0786

Inverse Universe

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



23.4463, 0.3669, 0.2135



27.8195, 0.3827, 0.2013



54.8701, 0.3199, 0.5316



13.2123, 0.3178, 0.3120



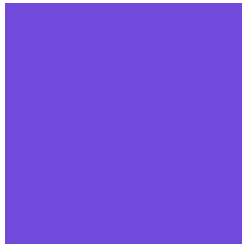
10.4634, 0.4021, 0.1989



0.6919, 0.3859, 0.1899

Previews

White Background



This preview shows how the Yxy color 13.5756, 0.2114, 0.1294 looks on a white background.

Color Contrast Check

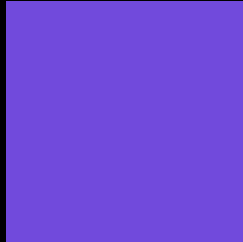
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5756, 0.2114, 0.1294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

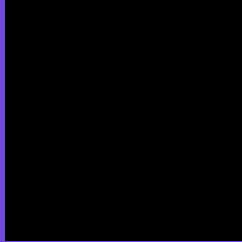
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5756, 0.2114, 0.1294

Background



This preview shows how black text looks on a background with the Yxy color 13.5756, 0.2114, 0.1294.



This preview shows how white text looks on a background with the Yxy color 13.5756, 0.2114, 0.1294.

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

13.5756, 0.2114, 0.1294

Protanopia

13.5768, 0.1742, 0.1469

Deuteranopia

13.4805, 0.1846, 0.1844



Tritanopia

13.5922, 0.2726, 0.3108

Trichromacy



Original Color

13.5756, 0.2114, 0.1294



Protanomaly

12.6388, 0.1768, 0.1337



Deuteranomaly

12.4623, 0.1833, 0.1535



Tritanomaly

12.8640, 0.2443, 0.2174

Monochromacy



Original Color

13.5756, 0.2114, 0.1294



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.7628, 0.2652, 0.2275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5756, 0.2114, 0.1294 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(113, 74, 220)` looks like.

```
.text, #text, p{  
  color:rgb(113, 74, 220)  
}
```

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(113, 74, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 74, 220) }
```

Border

The CSS property to change the border of an element to Yxy 13.5756, 0.2114, 0.1294 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(113, 74, 220) }
```

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

```
.border{ border-color:rgb(113, 74, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 74, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 74, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 74, 220);  
box-shadow:4px 4px 4px 4px rgb(113, 74,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5756, 0.2114, 0.1294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 74, 220) }
```

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

```
.background{ background-color: rgb(113, 74,  
220) }
```

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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