

Converting Colors

$Yxy(14.5568, 0.2038, 0.1049)$

Have a look what the booklet for
Yxy(14.5568, 0.2038, 0.1049)
contains.

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Color

Yxy(14.5416, 0.2040, 0.1048)

Conversions

Conversions Part 1

Format	Color
Hex	8037FF
RGB	128, 55, 255
RGB Percent	50%, 22%, 100%
CMY	0.4984, 0.7840, 0.0001
CMYK	0.50, 0.78, 0.00, 0.00
HSL	262°, 100%, 61%
HSV	262°, 78%, 100%
XYZ	28.3062, 14.5416, 95.9080
YIQ	99.6270, -20.6920, 77.6760

Conversions

Conversions Part 2

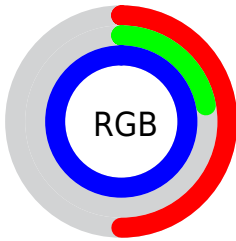
Format	Color
R _Y B	128, 55, 255
Decimal	8402943
CIE Lab	45.00, 70.97, -86.55
CIE LCh	45, 111.924, 309.353
Yxy	14.5416, 0.2040, 0.1048
Android (android.graphics.Color)	4286593023 (0xFF8037FF)
YUV	99.6270, 76.5989, 24.8831
Hunter-Lab	38.1334, 65.7656, -122.4246

Details

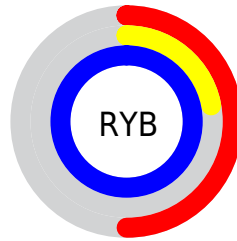
The Yxy color **14.5416, 0.2040, 0.1048** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **81.7490, 0.3622, 0.5309**, and the grayscale version is **12.4566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6652, 0.2616, 0.1716**, and **4.9308, 0.1691, 0.0705** is the 20% darker color. If you saturate the color by 10%, you get **11.5523, 0.1902, 0.0874**, and if you desaturate by 10%, it is **18.9823, 0.2195, 0.1283**.

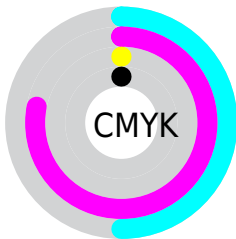
Distribution



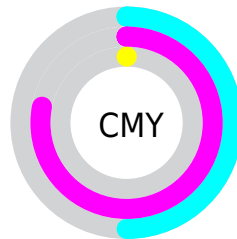
- Red (50%)
- Green (22%)
- Blue (100%)



- Red (50%)
- Yellow (22%)
- Blue (100%)



- Cyan (50%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (78%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.5416, 0.2040, 0.1048 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 14.5416, 0.2040, 0.1048 by changing the saturation by 10% instead.


 14.5416, 0.2040,
0.1048


 14.5416, 0.2040,
0.1048


220.5746, 0.2661,
0.2052


 8.4983, 0.1879,
0.0854


 34.0470, 0.2274,
0.1373


 4.4154, 0.1678,
0.0641


 48.2779, 0.2360,
0.1508

 1.9086, 0.1423,
0.0417


 66.0067, 0.2432,
0.1627

 0.5535, 0.1107,
0.0191

 87.6180, 0.2493,
0.1732

 0.0000, 0.0731,
0.0000

 113.4960, 0.2544,
0.1826

 0.0000, 0.0162,
0.0000

144.0252, 0.2589,

 0.0000, 0.0000,

0.1909

0.0000

179.5899, 0.2627,
0.1985

■ 14.5416, 0.2040,
0.1048

■ 14.5416, 0.2040,
0.1048

■ 11.5523, 0.1902,
0.0874

■ 18.9823, 0.2195,
0.1283

■ 9.7675, 0.1788,
0.0764

■ 25.0514, 0.2357,
0.1563

■ 9.5411, 0.1771,
0.0749

■ 32.9005, 0.2518,
0.1872

■ 42.6631, 0.2672,
0.2190

■ 54.4596, 0.2812,
0.2504

68.4002, 0.2938,
0.2802

84.5870, 0.3047,
0.3078

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



14.5416, 0.1006, 0.0866



14.5416, 0.2040, 0.1048



14.5416, 0.4041, 0.1555

Triad

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



14.5416, 0.2040, 0.1048



14.5416, 0.5912, 0.4088



14.5416, 0.0630, 0.3398

Complementary

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



14.5416, 0.2040, 0.1048



81.7490, 0.3622, 0.5309

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.



14.5416, 0.1406, 0.6791



14.5416, 0.2040, 0.1048



14.5416, 0.4339, 0.5661

Square

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



14.5416, 0.2040, 0.1048



14.5416, 0.6839, 0.3064



14.5416, 0.2700, 0.7300



14.5416, 0.0448, 0.1562

Rectangle

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



14.5416, 0.2040, 0.1048



14.5416, 0.5641, 0.2048



14.5416, 0.2700, 0.7300



14.5416, 0.0807, 0.4484

Sweetspot

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



14.5420, 0.2040, 0.1048



60.3285, 0.2870, 0.2637



42.7389, 0.2047, 0.2366



11.8895, 0.2824, 0.2529



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.



14.5420, 0.2040, 0.1048



10.4322, 0.1835, 0.0805



25.9664, 0.2911, 0.1498



17.6999, 0.3036, 0.3048



5.0629, 0.1787, 0.0758



0.5522, 0.1911, 0.0826

Inverse Universe

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



27.3806, 0.4073, 0.2184



24.4248, 0.4329, 0.2182



73.7203, 0.3100, 0.5686



18.1815, 0.3194, 0.3140



12.5032, 0.4399, 0.2197



1.2384, 0.4227, 0.2102

Previews

White Background



This preview shows how the Yxy color 14.5416, 0.2040, 0.1048 looks on a white background.

Color Contrast Check

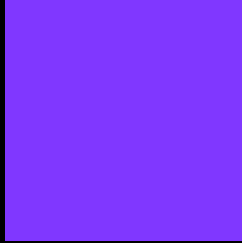
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5416, 0.2040, 0.1048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

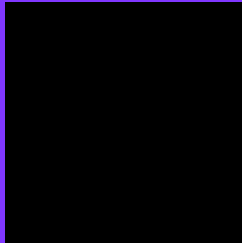
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5416, 0.2040, 0.1048

Background



This preview shows how black text looks on a background with the Yxy color 14.5416, 0.2040, 0.1048.



This preview shows how white text looks on a background with the Yxy color 14.5416, 0.2040, 0.1048.

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

14.5416, 0.2040, 0.1048

Protanopia

14.4606, 0.1741, 0.1469

Deuteranopia

14.4401, 0.1857, 0.1885



Tritanopia

14.3691, 0.2767, 0.3093

Trichromacy



Original Color

14.5416, 0.2040, 0.1048



Protanomaly

12.8145, 0.1734, 0.1188



Deuteranomaly

12.4022, 0.1794, 0.1359



Tritanomaly

12.8555, 0.2396, 0.1897

Monochromacy



Original Color

14.5416, 0.2040, 0.1048



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.0559, 0.2574, 0.1989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5416, 0.2040, 0.1048 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(128, 55, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 55, 255)  
}
```

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(128, 55, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 55, 255) }
```

Border

The CSS property to change the border of an element to Yxy 14.5416, 0.2040, 0.1048 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(128, 55, 255) }
```

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

```
.border{ border-color:rgb(128, 55, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 55, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 55, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 55, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 55,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5416, 0.2040, 0.1048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 55, 255) }
```

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

```
.background{ background-color: rgb(128, 55,  
255) }
```

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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