

Converting Colors

$Y_{xy}(15.6599, 0.2040, 0.1230)$

Have a look what the booklet for
Yxy(15.6599, 0.2040, 0.1230)
contains.

Yxy(15.7158, 0.2043, 0.1234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.7158, 0.2043, 0.1234)

Conversions

Conversions Part 1

Format	Color
Hex	744FF2
RGB	116, 79, 242
RGB Percent	45%, 31%, 95%
CMY	0.5451, 0.6901, 0.0512
CMYK	0.52, 0.67, 0.00, 0.05
HSL	254°, 86%, 63%
HSV	254°, 67%, 95%
XYZ	26.0189, 15.7158, 85.6218
YIQ	108.6450, -30.2710, 58.5370

Conversions

Conversions Part 2

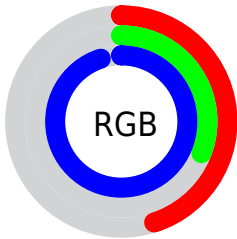
Format	Color
R _{YB}	116, 79, 242
Decimal	7622642
CIE _{Lab}	46.60, 54.83, -76.67
CIE _{LCh}	47, 94.260, 305.569
Yxy	15.7158, 0.2043, 0.1234
Android (android.graphics.Color)	4285812722 (0xFF744FF2)
YUV	108.6450, 65.7440, 6.4503
Hunter-Lab	39.6432, 47.7792, -100.3051

Details

The Yxy color **15.7158, 0.2043, 0.1234** 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 **77.0087, 0.3774, 0.4984**, and the grayscale version is **15.0077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7997, 0.2521, 0.1867**, and **4.9858, 0.1681, 0.0808** is the 20% darker color. If you saturate the color by 10%, you get **11.6818, 0.1876, 0.0981**, and if you desaturate by 10%, it is **21.2780, 0.2226, 0.1536**.

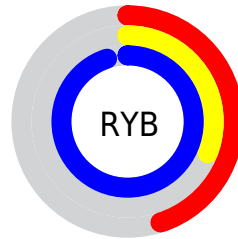
Distribution



Red (45%)

Green (31%)

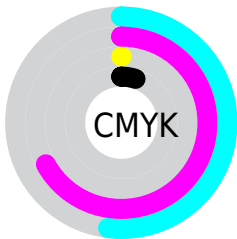
Blue (95%)



Red (45%)

Yellow (31%)

Blue (95%)

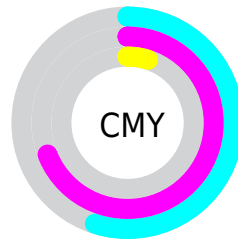


Cyan (52%)

Magenta (67%)

Yellow (0%)

Black (5%)



Cyan (55%)


Magenta (69%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7158, 0.2043, 0.1234 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 15.7158, 0.2043, 0.1234 by changing the saturation by 10% instead.


 15.7158, 0.2043,
0.1234


 15.7158, 0.2043,
0.1234


227.6588, 0.2654,
0.2196


 9.3233, 0.1884,
0.1035


 36.1041, 0.2273,
0.1556


 4.9526, 0.1681,
0.0808


 50.8687, 0.2358,
0.1686


 2.2195, 0.1423,
0.0557

 69.1927, 0.2429,
0.1800

 0.7306, 0.1097,
0.0299

 91.4606, 0.2488,
0.1899

 0.0000, 0.0708,
0.0000

 118.0568, 0.2539,
0.1987

 0.0000, 0.0000,
0.0000

149.3656, 0.2583,

0.2064

185.7715, 0.2621,
0.2134

■ 15.7158, 0.2043,
0.1234

■ 15.7158, 0.2043,
0.1234

■ 11.6818, 0.1876,
0.0981

■ 21.2780, 0.2226,
0.1536

■ 9.0138, 0.1737,
0.0795

■ 28.5051, 0.2412,
0.1864


■ 7.5049, 0.1633,
0.0683

■ 37.5196, 0.2592,
0.2199

■ 7.2176, 0.1610,
0.0661

■ 48.4322, 0.2759,
0.2524

■ 61.3442, 0.2909,
0.2828

 76.3500, 0.3042,
0.3105

 93.5378, 0.3156,
0.3353

 99.1874, 0.3203,
0.3415

Harmonies

Analogous

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



15.7158, 0.1147, 0.1092



15.7158, 0.2043, 0.1234



15.7158, 0.3675, 0.1688

Triad

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



15.7158, 0.2043, 0.1234



15.7158, 0.5876, 0.4124



15.7158, 0.0994, 0.3768

Complementary

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



15.7158, 0.2043, 0.1234



77.0087, 0.3774, 0.4984

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.



15.7158, 0.1901, 0.6308



15.7158, 0.2043, 0.1234



15.7158, 0.4615, 0.5385

Square

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



15.7158, 0.2043, 0.1234



15.7158, 0.6405, 0.3182



15.7158, 0.3212, 0.6679



15.7158, 0.0686, 0.1968

Rectangle

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



15.7158, 0.2043, 0.1234



15.7158, 0.5006, 0.2149



15.7158, 0.3212, 0.6679



15.7158, 0.1226, 0.4660

Sweetspot

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



15.7162, 0.2043, 0.1234



64.9405, 0.2870, 0.2748



52.5240, 0.2231, 0.2825



13.0102, 0.2828, 0.2663



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.



15.7162, 0.2043, 0.1234



11.8221, 0.1818, 0.0900



23.7092, 0.2739, 0.1564



15.4018, 0.3015, 0.3048



3.9295, 0.1623, 0.0668



0.3701, 0.1747, 0.0736

Inverse Universe

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



28.8682, 0.3603, 0.2063



27.9703, 0.3730, 0.1942



68.4094, 0.3241, 0.5326



15.9664, 0.3173, 0.3109



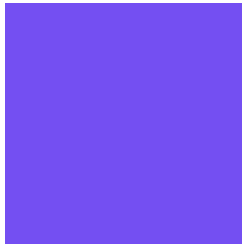
12.0916, 0.3882, 0.1912



1.0207, 0.3775, 0.1853

Previews

White Background



This preview shows how the Yxy color 15.7158, 0.2043, 0.1234 looks on a white background.

Color Contrast Check

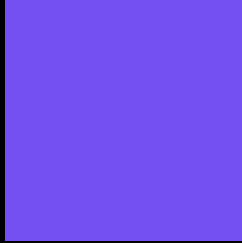
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7158, 0.2043, 0.1234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

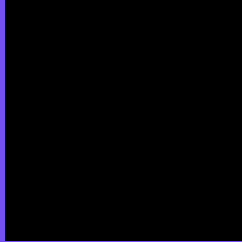
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7158, 0.2043, 0.1234

Background



This preview shows how black text looks on a background with the Yxy color 15.7158, 0.2043, 0.1234.



This preview shows how white text looks on a background with the Yxy color 15.7158, 0.2043, 0.1234.

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

15.7158, 0.2043, 0.1234

Protanopia

15.6899, 0.1741, 0.1468

Deuteranopia

15.6605, 0.1852, 0.1868



Tritanopia

15.6337, 0.2607, 0.3094

Trichromacy



Original Color

15.7158, 0.2043, 0.1234



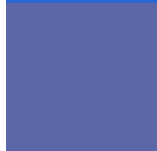
Protanomaly

14.6275, 0.1753, 0.1311



Deuteranomaly

14.5028, 0.1821, 0.1521



Tritanomaly

14.8030, 0.2327, 0.2109

Monochromacy



Original Color

15.7158, 0.2043, 0.1234



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.6144, 0.2613, 0.2229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7158, 0.2043, 0.1234 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(116, 79, 242)` looks like.

```
.text, #text, p{  
    color:rgb(116, 79, 242)  
}
```

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(116, 79, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 79, 242) }
```

Border

The CSS property to change the border of an element to Yxy 15.7158, 0.2043, 0.1234 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(116, 79, 242) }
```

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

```
.border{ border-color:rgb(116, 79, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 79, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 79, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 79, 242);  
box-shadow:4px 4px 4px 4px rgb(116, 79,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7158, 0.2043, 0.1234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 79, 242) }
```

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

```
.background{ background-color: rgb(116, 79,  
242) }
```

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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