

Converting Colors

$Y_{xy}(17.2277, 0.2224, 0.1590)$

Have a look what the booklet for
Yxy(17.2277, 0.2224, 0.1590)
contains.

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Color

Yxy(17.1752, 0.2222, 0.1587)

Conversions

Conversions Part 1

Format	Color
Hex	7660D8
RGB	118, 96, 216
RGB Percent	46%, 38%, 85%
CMY	0.5372, 0.6235, 0.1530
CMYK	0.45, 0.56, 0.00, 0.15
HSL	251°, 61%, 61%
HSV	251°, 56%, 85%
XYZ	24.0474, 17.1752, 67.0017
YIQ	116.2580, -25.4080, 41.9840

Conversions

Conversions Part 2

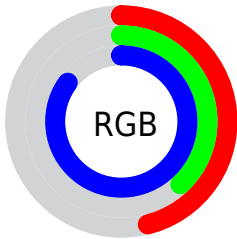
Format	Color
R _Y B	118, 96, 216
Decimal	7758040
CIE Lab	48.48, 38.31, -58.94
CIE LCh	48, 70.295, 303.020
Yxy	17.1752, 0.2222, 0.1587
Android (android.graphics.Color)	4285948120 (0xFF7660D8)
YUV	116.2580, 49.1728, 1.5277
Hunter-Lab	41.4430, 31.0501, -66.8452

Details

The Yxy color **17.1752, 0.2222, 0.1587** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **61.4142, 0.3743, 0.4700**, and the grayscale version is **17.4015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2014, 0.2526, 0.2036**, and **5.6645, 0.1896, 0.1161** is the 20% darker color. If you saturate the color by 10%, you get **12.6396, 0.2034, 0.1275**, and if you desaturate by 10%, it is **23.0252, 0.2414, 0.1922**.

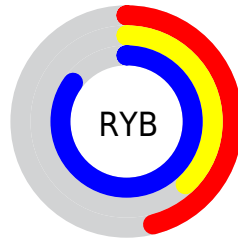
Distribution



Red (46%)

Green (38%)

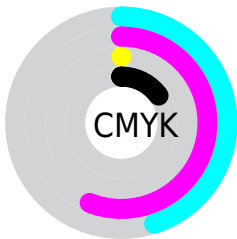
Blue (85%)



Red (46%)

Yellow (38%)

Blue (85%)

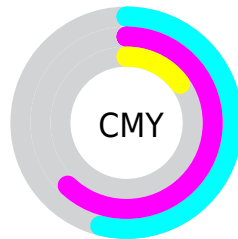


Cyan (45%)

Magenta (56%)

Yellow (0%)

Black (15%)



Cyan (54%)

Magenta (62%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1752, 0.2222, 0.1587 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 17.1752, 0.2222, 0.1587 by changing the saturation by 10% instead.

■ 17.1752, 0.2222,
0.1587

■ 17.1752, 0.2222,
0.1587

236.1800, 0.2737,
0.2435

■ 10.3595, 0.2080,
0.1391

■ 38.6268, 0.2421,
0.1887

■ 5.6380, 0.1895,
0.1154

■ 54.0314, 0.2492,
0.2002

■ 2.6262, 0.1646,
0.0870

■ 73.0678, 0.2551,
0.2101

■ 0.9399, 0.1309,
0.0544

■ 96.1203, 0.2600,
0.2186

■ 0.0000, 0.0879,
0.0000

123.5734, 0.2642,
0.2261

■ 0.0000, 0.0000,
0.0000

155.8115, 0.2678,

0.2326

193.2189, 0.2709,
0.2383

■ 17.1752, 0.2222,
0.1587

■ 17.1752, 0.2222,
0.1587

■ 12.6396, 0.2034,
0.1275

■ 23.0252, 0.2414,
0.1922

■ 9.3127, 0.1862,
0.1008

■ 30.2805, 0.2599,
0.2258

■ 7.0751, 0.1719,
0.0807

■ 39.0257, 0.2770,
0.2581

■ 5.7810, 0.1614,
0.0682

■ 49.3384, 0.2924,
0.2881

■ 5.4004, 0.1579,
0.0643

■ 61.2906, 0.3060,
0.3152

■ 74.9499, 0.3177,
0.3394

■ 90.3799, 0.3278,
0.3607

■ 97.7370, 0.3358,
0.3671

Harmonies

Analogous

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



17.1752, 0.1472, 0.1489



17.1752, 0.2222, 0.1587



17.1752, 0.3450, 0.1973

Triad

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



17.1752, 0.2222, 0.1587



17.1752, 0.5470, 0.4154



17.1752, 0.1527, 0.3849

Complementary

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



17.1752, 0.2222, 0.1587



61.4142, 0.3743, 0.4700

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.



17.1752, 0.2405, 0.5445



17.1752, 0.2222, 0.1587



17.1752, 0.4640, 0.5083

Square

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



17.1752, 0.2222, 0.1587



17.1752, 0.5643, 0.3334



17.1752, 0.3537, 0.5807



17.1752, 0.1131, 0.2432

Rectangle

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



17.1752, 0.2222, 0.1587



17.1752, 0.4409, 0.2369



17.1752, 0.3537, 0.5807



17.1752, 0.1770, 0.4433

Sweetspot

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



17.1758, 0.2222, 0.1587



69.2855, 0.2901, 0.2835



46.0219, 0.2364, 0.2980



14.1539, 0.2870, 0.2775



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.



17.1758, 0.2222, 0.1587



17.2617, 0.1997, 0.1215



22.7874, 0.2789, 0.1820



12.1172, 0.3010, 0.3051



3.2311, 0.1589, 0.0649



0.2283, 0.1746, 0.0735

Inverse Universe

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



26.8570, 0.3431, 0.2182



32.9876, 0.3517, 0.2006



55.0159, 0.3280, 0.4944



12.5918, 0.3165, 0.3102



10.5203, 0.3732, 0.1829



0.6449, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 17.1752, 0.2222, 0.1587 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 17.1752, 0.2222, 0.1587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

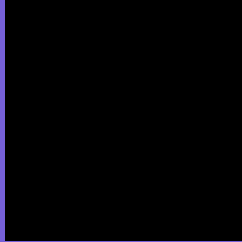
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1752, 0.2222, 0.1587

Background



This preview shows how black text looks on a background with the Yxy color 17.1752, 0.2222, 0.1587.



This preview shows how white text looks on a background with the Yxy color 17.1752, 0.2222, 0.1587.

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

17.1752, 0.2222, 0.1587

Protanopia

17.4420, 0.1775, 0.1493

Deuteranopia

17.2276, 0.1830, 0.1789



Tritanopia

17.1851, 0.2749, 0.3106

Trichromacy



Original Color

17.1752, 0.2222, 0.1587



Protanomaly

16.7912, 0.1863, 0.1503



Deuteranomaly

16.1040, 0.1859, 0.1655



Tritanomaly

16.7905, 0.2518, 0.2399

Monochromacy



Original Color

17.1752, 0.2222, 0.1587



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.9862, 0.2738, 0.2518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1752, 0.2222, 0.1587 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(118, 96, 216)` looks like.

```
.text, #text, p{  
    color:rgb(118, 96, 216)  
}
```

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(118, 96, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 96, 216) }
```

Border

The CSS property to change the border of an element to Yxy 17.1752, 0.2222, 0.1587 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(118, 96, 216) }
```

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

```
.border{ border-color:rgb(118, 96, 216) }
```

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

Here you see how a box with a 4 pixel rgb(118, 96, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 96, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 96, 216);  
box-shadow:4px 4px 4px 4px rgb(118, 96,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1752, 0.2222, 0.1587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 96, 216) }
```

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

```
.background{ background-color: rgb(118, 96,  
216) }
```

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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