

Converting Colors

$Y_{xy}(17.0997, 0.2289, 0.1688)$

Have a look what the booklet for
Yxy(17.0997, 0.2289, 0.1688)
contains.

Yxy(17.1623, 0.2289, 0.1691)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.1623, 0.2289, 0.1691)

Conversions

Conversions Part 1

Format	Color
Hex	7762CF
RGB	119, 98, 207
RGB Percent	47%, 38%, 81%
CMY	0.5334, 0.6156, 0.1884
CMYK	0.43, 0.53, 0.00, 0.19
HSL	252°, 53%, 60%
HSV	252°, 53%, 81%
XYZ	23.2315, 17.1623, 61.0982
YIQ	116.7050, -22.4730, 38.3510

Conversions

Conversions Part 2

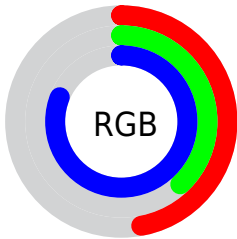
Format	Color
R _{YB}	119, 98, 207
Decimal	7824079
CIE Lab	48.46, 34.76, -53.82
CIE LCh	48, 64.067, 302.856
Yxy	17.1623, 0.2289, 0.1691
Android (android.graphics.Color)	4286014159 (0xFF7762CF)
YUV	116.7050, 44.5154, 2.0127
Hunter-Lab	41.4274, 27.6007, -58.4432

Details

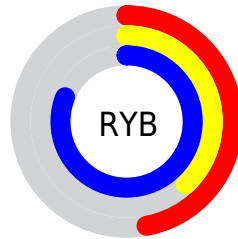
The Yxy color **17.1623, 0.2289, 0.1691** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **55.9330, 0.3709, 0.4634**, and the grayscale version is **17.5588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9450, 0.2537, 0.2061**, and **5.6588, 0.1971, 0.1262** is the 20% darker color. If you saturate the color by 10%, you get **12.6966, 0.2100, 0.1371**, and if you desaturate by 10%, it is **22.8384, 0.2478, 0.2026**.

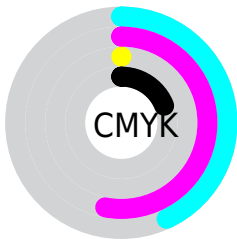
Distribution



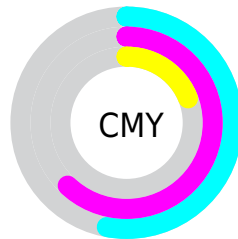
- Red (47%)
- Green (38%)
- Blue (81%)



- Red (47%)
- Yellow (38%)
- Blue (81%)



- Cyan (43%)
- Magenta (53%)
- Yellow (0%)
- Black (19%)





- Cyan (53%)
- Magenta (62%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1623, 0.2289, 0.1691 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 17.1623, 0.2289, 0.1691 by changing the saturation by 10% instead.


 17.1623, 0.2289,
0.1691


 17.1623, 0.2289,
0.1691


236.1059, 0.2769,
0.2501


 10.3503, 0.2154,
0.1498


 38.6046, 0.2476,
0.1982


 5.6318, 0.1975,
0.1260


 54.0037, 0.2543,
0.2092

 2.6225, 0.1730,
0.0969

 73.0339, 0.2598,
0.2186

 0.9380, 0.1390,
0.0622

 96.0797, 0.2643,
0.2267

 0.0000, 0.0936,
0.0000

123.5254, 0.2682,
0.2337

 0.0000, 0.0000,
0.0000

155.7554, 0.2715,

0.2399

193.1541, 0.2744,
0.2453

■ 17.1623, 0.2289,
0.1691

■ 17.1623, 0.2289,
0.1691

■ 12.6966, 0.2100,
0.1371

■ 22.8384, 0.2478,
0.2026

■ 9.3497, 0.1923,
0.1090

■ 29.8038, 0.2657,
0.2358

■ 7.0198, 0.1770,
0.0867

■ 38.1324, 0.2821,
0.2674

■ 5.5846, 0.1651,
0.0717

■ 47.8923, 0.2968,
0.2964

■ 4.9505, 0.1587,
0.0648

■ 59.1469, 0.3096,
0.3226

■ 71.9556, 0.3207,
0.3458

■ 86.3749, 0.3302,
0.3663

■ 96.8507, 0.3397,
0.3763

■ 97.2834, 0.3412,
0.3761

Harmonies

Analogous

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



17.1623, 0.1575, 0.1602



17.1623, 0.2289, 0.1691



17.1623, 0.3425, 0.2059

Triad

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



17.1623, 0.2289, 0.1691



17.1623, 0.5326, 0.4151



17.1623, 0.1655, 0.3819

Complementary

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



17.1623, 0.2289, 0.1691



55.9330, 0.3709, 0.4634

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.



17.1623, 0.2495, 0.5227



17.1623, 0.2289, 0.1691



17.1623, 0.4588, 0.4997

Square

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



17.1623, 0.2289, 0.1691



17.1623, 0.5443, 0.3367



17.1623, 0.3564, 0.5599



17.1623, 0.1258, 0.2524

Rectangle

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



17.1623, 0.2289, 0.1691



17.1623, 0.4297, 0.2437



17.1623, 0.3564, 0.5599



17.1623, 0.1890, 0.4335

Sweetspot

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



17.1629, 0.2289, 0.1691



70.9513, 0.2918, 0.2864



42.6392, 0.2397, 0.3000



14.4847, 0.2888, 0.2804



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.



17.1629, 0.2289, 0.1691



19.6662, 0.2080, 0.1338



22.0665, 0.2814, 0.1896



11.5255, 0.3011, 0.3052



3.1513, 0.1597, 0.0653



0.2093, 0.1769, 0.0748

Inverse Universe

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



25.5459, 0.3422, 0.2244



34.7153, 0.3504, 0.2071



50.4396, 0.3278, 0.4848



11.9684, 0.3167, 0.3104



10.1335, 0.3760, 0.1845



0.5769, 0.3641, 0.1779

Previews

White Background



This preview shows how the Yxy color 17.1623, 0.2289, 0.1691 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 17.1623, 0.2289, 0.1691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

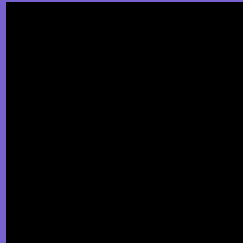
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1623, 0.2289, 0.1691

Background



This preview shows how black text looks on a background with the Yxy color 17.1623, 0.2289, 0.1691.



This preview shows how white text looks on a background with the Yxy color 17.1623, 0.2289, 0.1691.

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

17.1623, 0.2289, 0.1691

Protanopia

17.3194, 0.1863, 0.1601

Deuteranopia

17.4464, 0.1902, 0.1850



Tritanopia

17.1418, 0.2801, 0.3107

Trichromacy



Original Color

17.1623, 0.2289, 0.1691

Protanomaly

16.8024, 0.1965, 0.1609

Deuteranomaly

16.7048, 0.1981, 0.1761

Tritanomaly

16.8334, 0.2584, 0.2467

Monochromacy



Original Color

17.1623, 0.2289, 0.1691

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.2054, 0.2771, 0.2570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1623, 0.2289, 0.1691 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(119, 98, 207)` looks like.

```
.text, #text, p{  
    color:rgb(119, 98, 207)  
}
```

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(119, 98, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 98, 207) }
```

Border

The CSS property to change the border of an element to Yxy 17.1623, 0.2289, 0.1691 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(119, 98, 207) }
```

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

```
.border{ border-color:rgb(119, 98, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 98, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 98, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 98, 207);  
box-shadow:4px 4px 4px 4px rgb(119, 98,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1623, 0.2289, 0.1691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 98, 207) }
```

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

```
.background{ background-color: rgb(119, 98,  
207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor