

Converting Colors

$Y_{xy}(17.2705, 0.2192, 0.1685)$

Have a look what the booklet for
Yxy(17.2705, 0.2192, 0.1685)
contains.

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Color

Yxy(17.2943, 0.2196, 0.1692)

Conversions

Conversions Part 1

Format	Color
Hex	6C66D1
RGB	108, 102, 209
RGB Percent	42%, 40%, 82%
CMY	0.5764, 0.6000, 0.1804
CMYK	0.48, 0.51, 0.00, 0.18
HSL	243°, 54%, 61%
HSV	243°, 51%, 82%
XYZ	22.4458, 17.2943, 62.4721
YIQ	115.9920, -30.7710, 34.5490

Conversions

Conversions Part 2

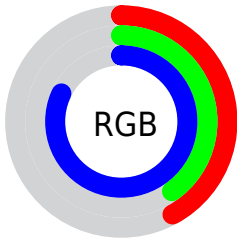
Format	Color
R _Y B	108, 102, 209
Decimal	7104209
CIE _{Lab}	48.63, 30.48, -54.76
CIE _{LCh}	49, 62.674, 299.102
Y _{xy}	17.2943, 0.2196, 0.1692
Android (android.graphics.Color)	4285294289 (0xFF6C66D1)
YUV	115.9920, 45.8529, -7.0090
Hunter-Lab	41.5864, 23.5671, -59.9563

Details

The Yxy color **17.2943, 0.2196, 0.1692** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **59.2478, 0.3819, 0.4542**, and the grayscale version is **17.3281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0018, 0.2463, 0.2082**, and **5.6938, 0.1857, 0.1256** is the 20% darker color. If you saturate the color by 10%, you get **12.5920, 0.1993, 0.1356**, and if you desaturate by 10%, it is **23.3127, 0.2405, 0.2043**.

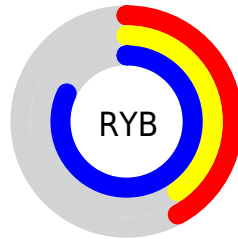
Distribution



Red (42%)

Green (40%)

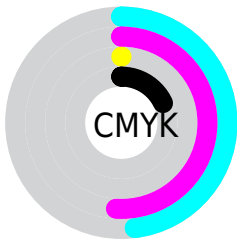
Blue (82%)



Red (42%)

Yellow (40%)

Blue (82%)

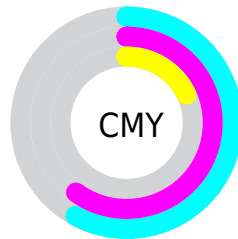


Cyan (48%)

Magenta (51%)

Yellow (0%)

Black (18%)



Cyan (58%)

Magenta (60%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2943, 0.2196, 0.1692 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 17.2943, 0.2196, 0.1692 by changing the saturation by 10% instead.

■ 17.2943, 0.2196,
0.1692

■ 17.2943, 0.2196,
0.1692

236.8627, 0.2721,
0.2504

■ 10.4445, 0.2051,
0.1498

■ 38.8311, 0.2398,
0.1983

■ 5.6947, 0.1862,
0.1260

■ 54.2869, 0.2471,
0.2095

■ 2.6603, 0.1606,
0.0968

■ 73.3802, 0.2532,
0.2189

■ 0.9571, 0.1259,
0.0621

■ 96.4954, 0.2582,
0.2270

■ 0.0000, 0.0793,
0.0000

124.0168, 0.2625,
0.2340

■ 0.0000, 0.0000,
0.0000

156.3289, 0.2662,

0.2402

193.8161, 0.2694,
0.2456

■ 17.2943, 0.2196,
0.1692

■ 17.2943, 0.2196,
0.1692

■ 12.5920, 0.1993,
0.1356

■ 23.3127, 0.2405,
0.2043

■ 9.1056, 0.1811,
0.1060

■ 30.7339, 0.2607,
0.2387

■ 6.7234, 0.1664,
0.0829

■ 39.6392, 0.2794,
0.2709

■ 5.3121, 0.1564,
0.0679

■ 50.1032, 0.2962,
0.3001

■ 4.6797, 0.1515,
0.0608

■ 62.1956, 0.3111,
0.3261

■ 75.9816, 0.3240,
0.3489

■ 91.5231, 0.3350,
0.3686

■ 97.3831, 0.3400,
0.3741

Harmonies

Analogous

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



17.2943, 0.1543, 0.1641



17.2943, 0.2196, 0.1692



17.2943, 0.3264, 0.2022

Triad

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



17.2943, 0.2196, 0.1692



17.2943, 0.5341, 0.4048



17.2943, 0.1768, 0.3996

Complementary

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



17.2943, 0.2196, 0.1692



59.2478, 0.3819, 0.4542

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.



17.2943, 0.2641, 0.5288



17.2943, 0.2196, 0.1692



17.2943, 0.4682, 0.4874

Square

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



17.2943, 0.2196, 0.1692



17.2943, 0.5346, 0.3283



17.2943, 0.3700, 0.5511



17.2943, 0.1317, 0.2672

Rectangle

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



17.2943, 0.2196, 0.1692



17.2943, 0.4114, 0.2379



17.2943, 0.3700, 0.5511



17.2943, 0.2019, 0.4491

Sweetspot

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



17.2949, 0.2196, 0.1692



71.7626, 0.2898, 0.2889



50.4441, 0.2452, 0.3214



14.6117, 0.2862, 0.2826



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.



17.2949, 0.2196, 0.1692



19.4312, 0.1983, 0.1340



21.6658, 0.2678, 0.1876



11.4490, 0.2990, 0.3050



2.8996, 0.1519, 0.0611



0.1735, 0.1582, 0.0645

Inverse Universe

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



27.3660, 0.3248, 0.2126



36.9371, 0.3275, 0.1938



53.0547, 0.3385, 0.4751



11.9971, 0.3146, 0.3074



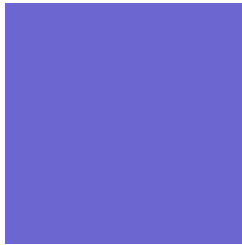
10.8544, 0.3355, 0.1622



0.6105, 0.3325, 0.1606

Previews

White Background



This preview shows how the Yxy color 17.2943, 0.2196, 0.1692 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 17.2943, 0.2196, 0.1692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

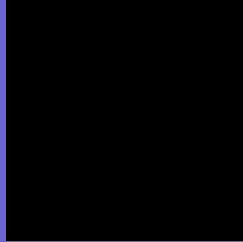
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2943, 0.2196, 0.1692

Background



This preview shows how black text looks on a background with the Yxy color 17.2943, 0.2196, 0.1692.



This preview shows how white text looks on a background with the Yxy color 17.2943, 0.2196, 0.1692.

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

17.2943, 0.2196, 0.1692

Protanopia

17.5436, 0.1887, 0.1638

Deuteranopia

17.3916, 0.1874, 0.1822



Tritanopia

17.2447, 0.2624, 0.3082

Trichromacy



Original Color

17.2943, 0.2196, 0.1692

Protanomaly

17.1273, 0.1971, 0.1644

Deuteranomaly

16.9441, 0.1940, 0.1759

Tritanomaly

16.8650, 0.2439, 0.2450

Monochromacy



Original Color

17.2943, 0.2196, 0.1692

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.0816, 0.2716, 0.2577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2943, 0.2196, 0.1692 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(108, 102, 209)` looks like.

```
.text, #text, p{  
    color:rgb(108, 102, 209)  
}
```

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(108, 102, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 102, 209) }
```

Border

The CSS property to change the border of an element to Yxy 17.2943, 0.2196, 0.1692 is called "border". The border property can be set on classes, ids or directly on the HTML element.

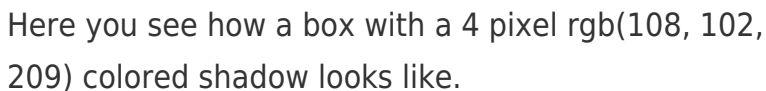
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 102, 209) }
```

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

```
.border{ border-color:rgb(108, 102, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 102, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 102, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 102, 209);  
box-shadow:4px 4px 4px 4px rgb(108, 102,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2943, 0.2196, 0.1692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 102, 209) }
```

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

```
.background{ background-color: rgb(108,  
102, 209) }
```

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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