

Converting Colors

$Y_{xy}(17.2273, 0.2108, 0.1639)$

Have a look what the booklet for
Yxy(17.2273, 0.2108, 0.1639)
contains.

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Color

Yxy(17.2082, 0.2106, 0.1637)

Conversions

Conversions Part 1

Format	Color
Hex	6367D6
RGB	99, 103, 214
RGB Percent	39%, 40%, 84%
CMY	0.6115, 0.5961, 0.1608
CMYK	0.54, 0.52, 0.00, 0.16
HSL	238°, 58%, 61%
HSV	238°, 54%, 84%
XYZ	22.1383, 17.2082, 65.7738
YIQ	114.4580, -38.0150, 33.6730

Conversions

Conversions Part 2

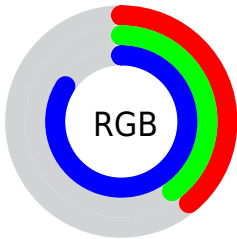
Format	Color
R _Y B	99, 103, 214
Decimal	6514646
CIE Lab	48.52, 29.53, -57.82
CIE LCh	49, 64.927, 297.051
Yxy	17.2082, 0.2106, 0.1637
Android (android.graphics.Color)	4284704726 (0xFF6367D6)
YUV	114.4580, 49.0742, -13.5567
Hunter-Lab	41.4828, 22.6663, -64.9705

Details

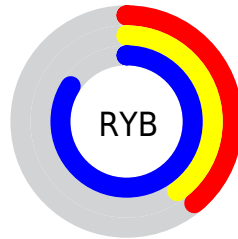
The Yxy color **17.2082, 0.2106, 0.1637** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **61.3322, 0.3923, 0.4535**, and the grayscale version is **16.8333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4993, 0.2410, 0.2077**, and **5.6203, 0.1754, 0.1200** is the 20% darker color. If you saturate the color by 10%, you get **12.5427, 0.1907, 0.1308**, and if you desaturate by 10%, it is **23.2103, 0.2317, 0.1984**.

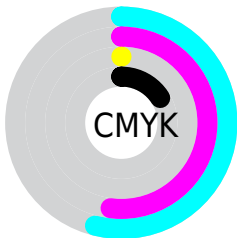
Distribution



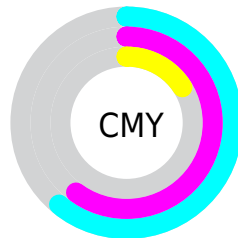
- Red (39%)
- Green (40%)
- Blue (84%)



- Red (39%)
- Yellow (40%)
- Blue (84%)



- Cyan (54%)
- Magenta (52%)
- Yellow (0%)
- Black (16%)



- Cyan (61%)
- Magenta (60%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2082, 0.2106, 0.1637 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 17.2082, 0.2106, 0.1637 by changing the saturation by 10% instead.

■ 17.2082, 0.2106,
0.1637

■ 17.2082, 0.2106,
0.1637

■ 236.3693, 0.2676,
0.2472

■ 10.3830, 0.1952,
0.1440

■ 38.6834, 0.2324,
0.1935

■ 5.6537, 0.1753,
0.1201

■ 54.1022, 0.2403,
0.2049

■ 2.6356, 0.1490,
0.0911

■ 73.1544, 0.2468,
0.2146

■ 0.9446, 0.1141,
0.0573

■ 96.2243, 0.2523,
0.2230

■ 0.0000, 0.0680,
0.0000

■ 123.6964, 0.2570,
0.2303

■ 0.0000, 0.0000,
0.0000

155.9550, 0.2610,

0.2366

193.3845, 0.2645,
0.2422

■ 17.2082, 0.2106,
0.1637

■ 17.2082, 0.2106,
0.1637

■ 12.5427, 0.1907,
0.1308

■ 23.2103, 0.2317,
0.1984

■ 9.1101, 0.1737,
0.1022

■ 30.6390, 0.2528,
0.2326

■ 6.7941, 0.1609,
0.0803

■ 39.5782, 0.2727,
0.2648

■ 5.4553, 0.1532,
0.0665

■ 50.1049, 0.2909,
0.2942

■ 5.0136, 0.1505,
0.0618

■ 62.2908, 0.3072,
0.3202

■ 76.2034, 0.3215,
0.3429

■ 91.9063, 0.3339,
0.3626

■ 97.6351, 0.3370,
0.3691

Harmonies

Analogous

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



17.2082, 0.1470, 0.1604



17.2082, 0.2106, 0.1637



17.2082, 0.3178, 0.1955

Triad

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



17.2082, 0.2106, 0.1637



17.2082, 0.5431, 0.3992



17.2082, 0.1769, 0.4128

Complementary

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



17.2082, 0.2106, 0.1637



61.3322, 0.3923, 0.4535

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.



17.2082, 0.2685, 0.5434



17.2082, 0.2106, 0.1637



17.2082, 0.4773, 0.4845

Square

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



17.2082, 0.2106, 0.1637



17.2082, 0.5392, 0.3219



17.2082, 0.3772, 0.5558



17.2082, 0.1284, 0.2718

Rectangle

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



17.2082, 0.2106, 0.1637



17.2082, 0.4058, 0.2308



17.2082, 0.3772, 0.5558



17.2082, 0.2035, 0.4644

Sweetspot

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



17.2087, 0.2106, 0.1637



70.4489, 0.2866, 0.2873



55.3169, 0.2472, 0.3367



14.3662, 0.2829, 0.2813



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.



17.2087, 0.2106, 0.1637



18.1021, 0.1890, 0.1279



20.3499, 0.2535, 0.1759



12.0759, 0.2981, 0.3057



3.0610, 0.1507, 0.0623



0.2091, 0.1527, 0.0696

Inverse Universe

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



24.2112, 0.4649, 0.3248



29.7496, 0.5154, 0.3247



56.7068, 0.3480, 0.4783



12.4276, 0.3286, 0.3282



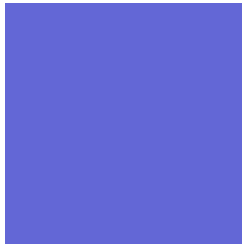
8.6539, 0.6361, 0.3278



0.5244, 0.6239, 0.3210

Previews

White Background



This preview shows how the Yxy color 17.2082, 0.2106, 0.1637 looks on a white background.

Color Contrast Check

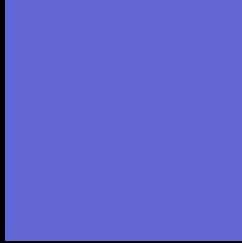
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2082, 0.2106, 0.1637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

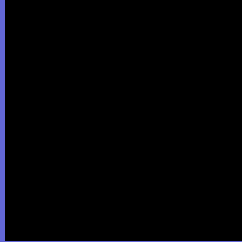
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2082, 0.2106, 0.1637

Background



This preview shows how black text looks on a background with the Yxy color 17.2082, 0.2106, 0.1637.



This preview shows how white text looks on a background with the Yxy color 17.2082, 0.2106, 0.1637.

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

17.2082, 0.2106, 0.1637

Protanopia

17.3496, 0.1848, 0.1581

Deuteranopia

17.2276, 0.1830, 0.1789



Tritanopia

17.1990, 0.2490, 0.3077

Trichromacy



Original Color

17.2082, 0.2106, 0.1637

Protanomaly

17.0857, 0.1914, 0.1588

Deuteranomaly

16.6166, 0.1853, 0.1696

Tritanomaly

16.8487, 0.2322, 0.2421

Monochromacy



Original Color

17.2082, 0.2106, 0.1637

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.6051, 0.2669, 0.2549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2082, 0.2106, 0.1637 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(99, 103, 214)` looks like.

```
.text, #text, p{  
    color:rgb(99, 103, 214)  
}
```

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(99, 103, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 103, 214) }
```

Border

The CSS property to change the border of an element to Yxy 17.2082, 0.2106, 0.1637 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(99, 103, 214) }
```

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

```
.border{ border-color:rgb(99, 103, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 103, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 103, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 103, 214);  
box-shadow:4px 4px 4px 4px rgb(99, 103,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2082, 0.2106, 0.1637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 103, 214) }
```

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

```
.background{ background-color: rgb(99, 103,  
214) }
```

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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