

Converting Colors

$Y_{xy}(17.0731, 0.2147, 0.1905)$

Have a look what the booklet for
Yxy(17.0731, 0.2147, 0.1905)
contains.

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Color

Yxy(17.0731, 0.2147, 0.1905)

Conversions

Conversions Part 1

Format	Color
Hex	576EC2
RGB	87, 110, 194
RGB Percent	34%, 43%, 76%
CMY	0.6588, 0.5686, 0.2393
CMYK	0.55, 0.43, 0.00, 0.24
HSL	227°, 47%, 55%
HSV	227°, 55%, 76%
XYZ	19.2420, 17.0731, 53.3075
YIQ	112.6990, -40.6720, 21.2480

Conversions

Conversions Part 2

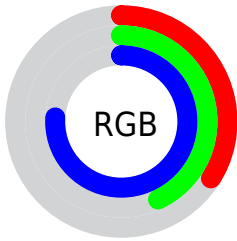
Format	Color
R_{YB}	87, 106, 194
Decimal	5729986
CIE _{Lab}	48.35, 16.21, -46.68
CIE _{LCh}	48, 49.413, 289.151
Yxy	17.0731, 0.2147, 0.1905
Android (android.graphics.Color)	4283920066 (0xFF576EC2)
YUV	112.6990, 40.0814, -22.5380
Hunter-Lab	41.3196, 10.8157, -47.5679

Details

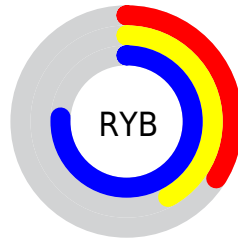
The Yxy color **17.0731, 0.2147, 0.1905** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **41.2719, 0.4066, 0.4356**, and the grayscale version is **16.3088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3841, 0.2360, 0.2174**, and **5.5972, 0.1793, 0.1476** is the 20% darker color. If you saturate the color by 10%, you get **13.2536, 0.1968, 0.1613**, and if you desaturate by 10%, it is **21.7092, 0.2337, 0.2197**.

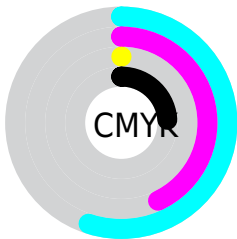
Distribution



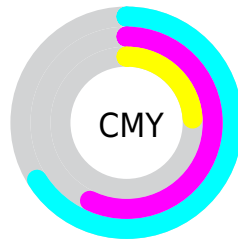
- Red (34%)
- Green (43%)
- Blue (76%)



- Red (34%)
- Yellow (42%)
- Blue (76%)



- Cyan (55%)
- Magenta (43%)
- Yellow (0%)
- Black (24%)



- Cyan (66%)
- Magenta (57%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0731, 0.2147, 0.1905 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 17.0731, 0.2147, 0.1905 by changing the saturation by 10% instead.

■ 17.0731, 0.2147,
0.1905

■ 17.0731, 0.2147,
0.1905

■ 235.5933, 0.2696,
0.2639

■ 10.2866, 0.1995,
0.1717

■ 38.4514, 0.2359,
0.2177

■ 5.5894, 0.1795,
0.1479

■ 53.8120, 0.2435,
0.2278

■ 2.5971, 0.1523,
0.1173

■ 72.7995, 0.2497,
0.2363

■ 0.9252, 0.1150,
0.0786

■ 95.7982, 0.2550,
0.2435

■ 0.0000, 0.0429,
0.0000

■ 123.1926, 0.2595,
0.2497

■ 0.0000, 0.0000,
0.0000

155.3669, 0.2633,

0.2550

192.7057, 0.2667,
0.2597

■ 17.0731, 0.2147,
0.1905

■ 17.0731, 0.2147,
0.1905

■ 13.2536, 0.1968,
0.1613

■ 21.7092, 0.2337,
0.2197

■ 10.1995, 0.1809,
0.1337

■ 27.2053, 0.2528,
0.2478

■ 7.8561, 0.1682,
0.1093

■ 33.6037, 0.2714,
0.2740

■ 6.1597, 0.1593,
0.0896

■ 40.9433, 0.2888,
0.2978

■ 5.5295, 0.1561,
0.0818

■ 49.2607, 0.3050,
0.3190

■ 58.5904, 0.3197,
0.3378

■ 68.9655, 0.3329,
0.3542

■ 80.4171, 0.3447,
0.3685

■ 91.7051, 0.3507,
0.3817

Harmonies

Analogous

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



17.0731, 0.1685, 0.1964



17.0731, 0.2147, 0.1905



17.0731, 0.2934, 0.2113

Triad

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



17.0731, 0.2147, 0.1905



17.0731, 0.5010, 0.3787



17.0731, 0.2251, 0.4217

Complementary

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



17.0731, 0.2147, 0.1905



41.2719, 0.4066, 0.4356

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.



17.0731, 0.3073, 0.4992



17.0731, 0.2147, 0.1905



17.0731, 0.4678, 0.4458

Square

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



17.0731, 0.2147, 0.1905



17.0731, 0.4746, 0.3131



17.0731, 0.3957, 0.4987



17.0731, 0.1716, 0.3139

Rectangle

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



17.0731, 0.2147, 0.1905



17.0731, 0.3591, 0.2380



17.0731, 0.3957, 0.4987



17.0731, 0.2503, 0.4547

Sweetspot

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



17.0737, 0.2147, 0.1905



71.2288, 0.2852, 0.2929



43.5334, 0.2561, 0.3649



14.9866, 0.2817, 0.2882



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.



17.0737, 0.2147, 0.1905



22.8629, 0.1936, 0.1559



14.5148, 0.2338, 0.1653



10.0913, 0.2983, 0.3104



3.7362, 0.1566, 0.0837



0.2654, 0.1684, 0.1263

Inverse Universe

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



19.4095, 0.4388, 0.2992



28.8052, 0.4842, 0.2961



47.1198, 0.3641, 0.4732



10.1126, 0.3256, 0.3241



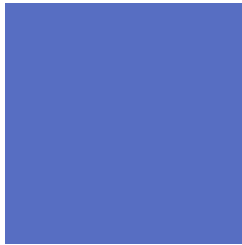
7.6594, 0.6010, 0.3085



0.3414, 0.5378, 0.2736

Previews

White Background



This preview shows how the Yxy color 17.0731, 0.2147, 0.1905 looks on a white background.

Color Contrast Check

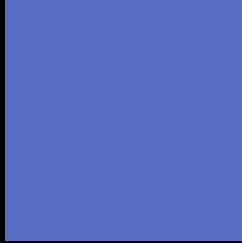
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0731, 0.2147, 0.1905 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 17.0731, 0.2147, 0.1905

Background



This preview shows how black text looks on a background with the Yxy color 17.0731, 0.2147, 0.1905.



This preview shows how white text looks on a background with the Yxy color 17.0731, 0.2147, 0.1905.

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

17.0731, 0.2147, 0.1905

Protanopia

17.1936, 0.2085, 0.1897

Deuteranopia

17.0724, 0.2013, 0.1951



Tritanopia

16.9832, 0.2443, 0.3075

Trichromacy



Original Color

17.0731, 0.2147, 0.1905

Protanomaly

17.0583, 0.2105, 0.1897

Deuteranomaly

16.9626, 0.2057, 0.1932

Tritanomaly

16.7399, 0.2318, 0.2563

Monochromacy



Original Color

17.0731, 0.2147, 0.1905

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.4844, 0.2696, 0.2712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0731, 0.2147, 0.1905 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(87, 110, 194)` looks like.

```
.text, #text, p{  
    color:rgb(87, 110, 194)  
}
```

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(87, 110, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 110, 194) }
```

Border

The CSS property to change the border of an element to Yxy 17.0731, 0.2147, 0.1905 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(87, 110, 194) }
```

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

```
.border{ border-color:rgb(87, 110, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 110, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 110, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 110, 194);  
box-shadow:4px 4px 4px 4px rgb(87, 110,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0731, 0.2147, 0.1905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 110, 194) }
```

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

```
.background{ background-color: rgb(87, 110,  
194) }
```

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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