

Converting Colors

$Y_{xy}(16.9717, 0.2173, 0.2161)$

Have a look what the booklet for
Yxy(16.9717, 0.2173, 0.2161)
contains.

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Color

Yxy(16.9717, 0.2173, 0.2161)

Conversions

Conversions Part 1

Format	Color
Hex	4B73B2
RGB	75, 115, 178
RGB Percent	29%, 45%, 70%
CMY	0.7060, 0.5490, 0.3019
CMYK	0.58, 0.35, 0.00, 0.30
HSL	217°, 41%, 50%
HSV	217°, 58%, 70%
XYZ	17.0659, 16.9717, 44.4987
YIQ	110.2220, -44.0630, 11.1130

Conversions

Conversions Part 2

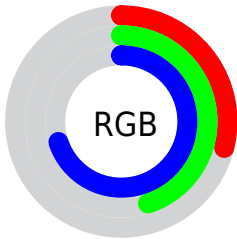
Format	Color
R _Y B	75, 104, 178
Decimal	4944818
CIE Lab	48.22, 5.25, -37.69
CIE LCh	48, 38.052, 277.927
Yxy	16.9717, 0.2173, 0.2161
Android (android.graphics.Color)	4283134898 (0xFF4B73B2)
YUV	110.2220, 33.4146, -30.8897
Hunter-Lab	41.1967, 1.8502, -35.2044

Details

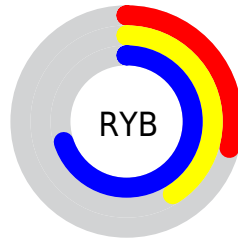
The Yxy color **16.9717, 0.2173, 0.2161** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **28.1370, 0.4259, 0.4174**, and the grayscale version is **15.5695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4032, 0.2382, 0.2405**, and **5.4950, 0.1820, 0.1752** is the 20% darker color. If you saturate the color by 10%, you get **14.0153, 0.2020, 0.1926**, and if you desaturate by 10%, it is **20.4230, 0.2339, 0.2391**.

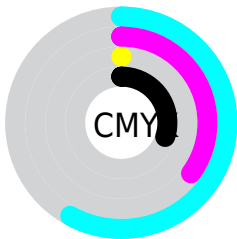
Distribution



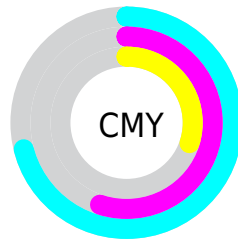
- Red (29%)
- Green (45%)
- Blue (70%)



- Red (29%)
- Yellow (41%)
- Blue (70%)



- Cyan (58%)
- Magenta (35%)
- Yellow (0%)
- Black (30%)



- Cyan (71%)
- Magenta (55%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9717, 0.2173, 0.2161 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 16.9717, 0.2173, 0.2161 by changing the saturation by 10% instead.

■ 16.9717, 0.2173,
0.2161

■ 16.9717, 0.2173,
0.2161

■ 235.0092, 0.2708,
0.2783

■ 10.2143, 0.2022,
0.1991

■ 38.2771, 0.2381,
0.2399

■ 5.5413, 0.1821,
0.1766

■ 53.5939, 0.2455,
0.2485

■ 2.5682, 0.1542,
0.1461

■ 72.5327, 0.2516,
0.2556

■ 0.9107, 0.1147,
0.1042

■ 95.4778, 0.2567,
0.2616

■ 0.0000, 0.0000,
0.0000

■ 122.8136, 0.2610,
0.2667

154.9245, 0.2647,

0.2711

192.1949, 0.2680,
0.2749

■ 16.9717, 0.2173,
0.2161

■ 16.9717, 0.2173,
0.2161

■ 14.0153, 0.2020,
0.1926

■ 20.4230, 0.2339,
0.2391

■ 11.5247, 0.1885,
0.1694

■ 24.3925, 0.2510,
0.2611

■ 9.4696, 0.1775,
0.1475

■ 28.9036, 0.2681,
0.2815

■ 7.8067, 0.1692,
0.1274

■ 33.9777, 0.2848,
0.3002

■ 7.4937, 0.1676,
0.1234

■ 39.6352, 0.3008,
0.3170

■ 45.8951, 0.3158,
0.3320

■ 52.7755, 0.3298,
0.3453

■ 60.2938, 0.3428,
0.3570

■ 68.4668, 0.3547,
0.3672

Harmonies

Analogous

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



16.9717, 0.1883, 0.2322



16.9717, 0.2173, 0.2161



16.9717, 0.2725, 0.2248

Triad

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



16.9717, 0.2173, 0.2161



16.9717, 0.4576, 0.3535



16.9717, 0.2687, 0.4254

Complementary

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



16.9717, 0.2173, 0.2161



28.1370, 0.4259, 0.4174

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.



16.9717, 0.3391, 0.4649



16.9717, 0.2173, 0.2161



16.9717, 0.4512, 0.4081

Square

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



16.9717, 0.2173, 0.2161



16.9717, 0.4179, 0.2998



16.9717, 0.4061, 0.4525



16.9717, 0.2140, 0.3492

Rectangle

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



16.9717, 0.2173, 0.2161



16.9717, 0.3208, 0.2425



16.9717, 0.4061, 0.4525



16.9717, 0.2913, 0.4444

Sweetspot

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



16.9723, 0.2173, 0.2161



62.1937, 0.2858, 0.3012



35.1373, 0.2662, 0.4011



13.3548, 0.2825, 0.2977



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.9723, 0.2173, 0.2161



24.3006, 0.1987, 0.1872



10.1846, 0.2111, 0.1501



8.7538, 0.2985, 0.3147



5.4760, 0.1682, 0.1255



0.2875, 0.1844, 0.1838

Inverse Universe

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



15.7301, 0.4155, 0.2726



23.5165, 0.4512, 0.2658



40.6427, 0.3840, 0.4690



8.5581, 0.3228, 0.3202



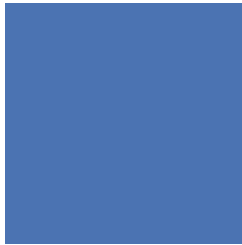
7.0929, 0.5388, 0.2742



0.2348, 0.4641, 0.2330

Previews

White Background



This preview shows how the Yxy color 16.9717, 0.2173, 0.2161 looks on a white background.

Color Contrast Check

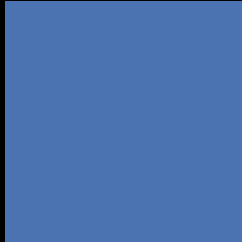
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9717, 0.2173, 0.2161 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

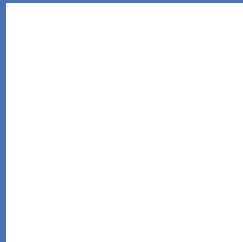
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.9717, 0.2173, 0.2161

Background



This preview shows how black text looks on a background with the Yxy color 16.9717, 0.2173, 0.2161.



This preview shows how white text looks on a background with the Yxy color 16.9717, 0.2173, 0.2161.

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

16.9717, 0.2173, 0.2161

Protanopia

16.9076, 0.2299, 0.2178

Deuteranopia

16.9545, 0.2203, 0.2152



Tritanopia

17.0064, 0.2385, 0.3073

Trichromacy



Original Color

16.9717, 0.2173, 0.2161

Protanomaly

16.8761, 0.2249, 0.2170

Deuteranomaly

16.8687, 0.2190, 0.2148

Tritanomaly

16.9667, 0.2302, 0.2702

Monochromacy



Original Color

16.9717, 0.2173, 0.2161

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.8790, 0.2688, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9717, 0.2173, 0.2161 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(75, 115, 178)` looks like.

```
.text, #text, p{  
    color:rgb(75, 115, 178)  
}
```

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(75, 115, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 115, 178) }
```

Border

The CSS property to change the border of an element to Yxy 16.9717, 0.2173, 0.2161 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(75, 115, 178) }
```

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

```
.border{ border-color:rgb(75, 115, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 115, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 115, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 115, 178);  
box-shadow:4px 4px 4px 4px rgb(75, 115,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9717, 0.2173, 0.2161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 115, 178) }
```

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

```
.background{ background-color: rgb(75, 115,  
178) }
```

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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