

Converting Colors

$Y_{xy}(16.5959, 0.2141, 0.2167)$

Have a look what the booklet for
Yxy(16.5959, 0.2141, 0.2167)
contains.

Yxy(16.6613, 0.2146, 0.2178)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.6613, 0.2146, 0.2178)

Conversions

Conversions Part 1

Format	Color
Hex	4573B0
RGB	69, 115, 176
RGB Percent	27%, 45%, 69%
CMY	0.7297, 0.5490, 0.3098
CMYK	0.61, 0.35, 0.00, 0.31
HSL	214°, 44%, 48%
HSV	214°, 61%, 69%
XYZ	16.4165, 16.6613, 43.4204
YIQ	108.2000, -46.9970, 9.2190

Conversions

Conversions Part 2

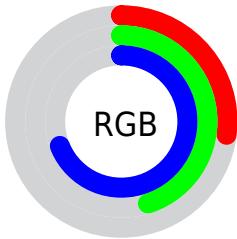
Format	Color
R _{YB}	69, 101, 176
Decimal	4551600
CIE Lab	47.83, 3.32, -37.16
CIE LCh	48, 37.307, 275.107
Yxy	16.6613, 0.2146, 0.2178
Android (android.graphics.Color)	4282741680 (0xFF4573B0)
YUV	108.2000, 33.4254, -34.3784
Hunter-Lab	40.8183, 0.3581, -34.4969

Details

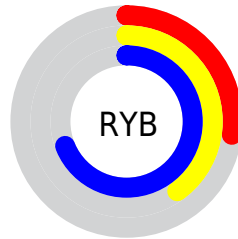
The Yxy color **16.6613, 0.2146, 0.2178** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.5966, 0.4368, 0.4150**, and the grayscale version is **14.9653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8992, 0.2362, 0.2420**, and **5.4444, 0.1829, 0.1784** is the 20% darker color. If you saturate the color by 10%, you get **13.9483, 0.2003, 0.1958**, and if you desaturate by 10%, it is **19.8148, 0.2303, 0.2394**.

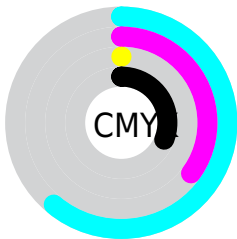
Distribution



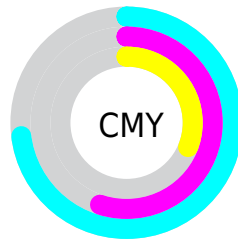
- Red (27%)
- Green (45%)
- Blue (69%)



- Red (27%)
- Yellow (40%)
- Blue (69%)



- Cyan (61%)
- Magenta (35%)
- Yellow (0%)
- Black (31%)



- Cyan (73%)
- Magenta (55%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6613, 0.2146, 0.2178 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 16.6613, 0.2146, 0.2178 by changing the saturation by 10% instead.

■ 16.6613, 0.2146,
0.2178

■ 16.6613, 0.2146,
0.2178

■ 233.2129, 0.2696,
0.2795

■ 9.9933, 0.1991,
0.2007

■ 37.7425, 0.2360,
0.2415

■ 5.3945, 0.1783,
0.1781

■ 52.9245, 0.2436,
0.2501

■ 2.4805, 0.1497,
0.1472

■ 71.7133, 0.2499,
0.2571

■ 0.8669, 0.1093,
0.1045

■ 94.4933, 0.2551,
0.2630

■ 0.0000, 0.0000,
0.0000

■ 121.6488, 0.2596,
0.2681

153.5644, 0.2634,

0.2724

190.6243, 0.2667,
0.2762

■ 16.6613, 0.2146,
0.2178

■ 16.6613, 0.2146,
0.2178

■ 13.9483, 0.2003,
0.1958

■ 19.8148, 0.2303,
0.2394

■ 11.6488, 0.1880,
0.1742

■ 23.4299, 0.2468,
0.2601

■ 9.7343, 0.1782,
0.1536

■ 27.5283, 0.2635,
0.2795

■ 8.2705, 0.1711,
0.1360

■ 32.1295, 0.2801,
0.2973

■ 37.2518, 0.2962,
0.3134

■ 42.9125, 0.3115,
0.3279

■ 49.1280, 0.3259,
0.3407

■ 55.9141, 0.3393,
0.3520

■ 63.2858, 0.3518,
0.3620

Harmonies

Analogous

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



16.6613, 0.1883, 0.2364



16.6613, 0.2146, 0.2178



16.6613, 0.2670, 0.2242

Triad

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



16.6613, 0.2146, 0.2178



16.6613, 0.4539, 0.3483



16.6613, 0.2755, 0.4297

Complementary

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



16.6613, 0.2146, 0.2178



25.5966, 0.4368, 0.4150

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.



16.6613, 0.3456, 0.4638



16.6613, 0.2146, 0.2178



16.6613, 0.4519, 0.4025

Square

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



16.6613, 0.2146, 0.2178



16.6613, 0.4108, 0.2956



16.6613, 0.4104, 0.4479



16.6613, 0.2192, 0.3564

Rectangle

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



16.6613, 0.2146, 0.2178



16.6613, 0.3137, 0.2405



16.6613, 0.4104, 0.4479



16.6613, 0.2982, 0.4469

Sweetspot

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



16.6619, 0.2146, 0.2178



60.5305, 0.2842, 0.3015



33.9107, 0.2672, 0.4123



12.5670, 0.2796, 0.2967



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



16.6619, 0.2146, 0.2178



23.7825, 0.1958, 0.1883



8.9203, 0.2023, 0.1394



8.8118, 0.2985, 0.3157



6.1806, 0.1717, 0.1380



0.3112, 0.1872, 0.1940

Inverse Universe

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



14.7143, 0.4152, 0.2643



21.9055, 0.4519, 0.2571



39.8950, 0.3901, 0.4727



8.5640, 0.3222, 0.3192



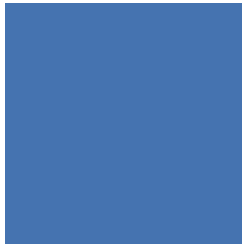
7.1641, 0.5218, 0.2648



0.2372, 0.4521, 0.2264

Previews

White Background



This preview shows how the Yxy color 16.6613, 0.2146, 0.2178 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 16.6613, 0.2146, 0.2178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

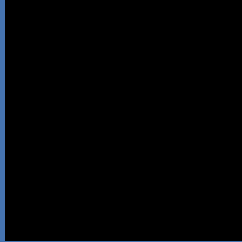
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6613, 0.2146, 0.2178

Background



This preview shows how black text looks on a background with the Yxy color 16.6613, 0.2146, 0.2178.

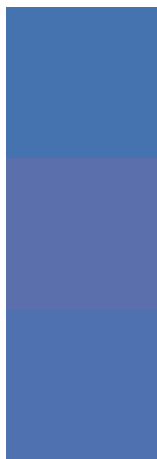


This preview shows how white text looks on a background with the Yxy color 16.6613, 0.2146, 0.2178.

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

16.6613, 0.2146, 0.2178

Protanopia

16.6102, 0.2309, 0.2186

Deuteranopia

16.6071, 0.2205, 0.2158



Tritanopia

16.7895, 0.2336, 0.3070

Trichromacy



Original Color

16.6613, 0.2146, 0.2178

Protanomaly

16.4833, 0.2242, 0.2174

Deuteranomaly

16.6651, 0.2181, 0.2169

Tritanomaly

16.6854, 0.2259, 0.2713

Monochromacy



Original Color

16.6613, 0.2146, 0.2178

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.4420, 0.2673, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6613, 0.2146, 0.2178 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(69, 115, 176)` looks like.

```
.text, #text, p{  
    color:rgb(69, 115, 176)  
}
```

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(69, 115, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 115, 176) }
```

Border

The CSS property to change the border of an element to Yxy 16.6613, 0.2146, 0.2178 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(69, 115, 176) }
```

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

```
.border{ border-color:rgb(69, 115, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 115, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 115, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 115, 176);  
box-shadow:4px 4px 4px 4px rgb(69, 115,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6613, 0.2146, 0.2178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 115, 176) }
```

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

```
.background{ background-color: rgb(69, 115,  
176) }
```

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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