

Converting Colors

$Y_{xy}(15.6917, 0.2098, 0.1996)$

Have a look what the booklet for
Yxy(15.6917, 0.2098, 0.1996)
contains.

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Color

Yxy(15.6168, 0.2095, 0.1990)

Conversions

Conversions Part 1

Format	Color
Hex	466DB6
RGB	70, 109, 182
RGB Percent	27%, 43%, 71%
CMY	0.7254, 0.5726, 0.2862
CMYK	0.62, 0.40, 0.00, 0.29
HSL	219°, 44%, 49%
HSV	219°, 62%, 71%
XYZ	16.4408, 15.6168, 46.4188
YIQ	105.6610, -46.6770, 14.4350

Conversions

Conversions Part 2

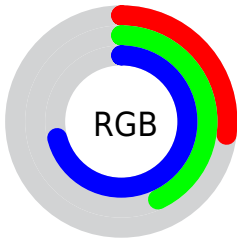
Format	Color
R _Y B	70, 99, 182
Decimal	4615606
CIE Lab	46.47, 9.33, -42.82
CIE LCh	46, 43.827, 282.294
Yxy	15.6168, 0.2095, 0.1990
Android (android.graphics.Color)	4282805686 (0xFF466DB6)
YUV	105.6610, 37.6351, -31.2747
Hunter-Lab	39.5181, 5.1051, -41.9806

Details

The Yxy color **15.6168, 0.2095, 0.1990** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **30.0511, 0.4301, 0.4275**, and the grayscale version is **14.2218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9039, 0.2326, 0.2263**, and **5.0302, 0.1768, 0.1564** is the 20% darker color. If you saturate the color by 10%, you get **12.6763, 0.1943, 0.1742**, and if you desaturate by 10%, it is **19.1054, 0.2262, 0.2238**.

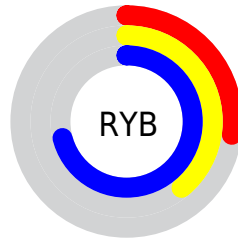
Distribution



Red (27%)

Green (43%)

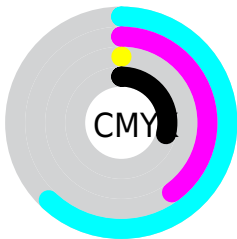
Blue (71%)



Red (27%)

Yellow (39%)

Blue (71%)

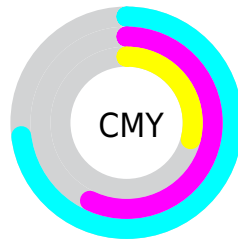


Cyan (62%)

Magenta (40%)

Yellow (0%)

Black (29%)



Cyan (73%)

Magenta (57%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6168, 0.2095, 0.1990 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 15.6168, 0.2095, 0.1990 by changing the saturation by 10% instead.

■ 15.6168, 0.2095,
0.1990

■ 15.6168, 0.2095,
0.1990

■ 227.0698, 0.2677,
0.2700

■ 9.2534, 0.1931,
0.1800

■ 35.9317, 0.2321,
0.2259

■ 4.9068, 0.1714,
0.1553

■ 50.6519, 0.2402,
0.2358

■ 2.1927, 0.1417,
0.1228

■ 68.9266, 0.2468,
0.2439

■ 0.7160, 0.1010,
0.0795

■ 91.1400, 0.2524,
0.2508

■ 0.0000, 0.0000,
0.0000

■ 117.6767, 0.2571,
0.2566

148.9209, 0.2611,

0.2617

185.2572, 0.2646,
0.2661

■ 15.6168, 0.2095,
0.1990

■ 15.6168, 0.2095,
0.1990

■ 12.6763, 0.1943,
0.1742

■ 19.1054, 0.2262,
0.2238

■ 10.2496, 0.1812,
0.1503

■ 23.1703, 0.2437,
0.2478

■ 8.2999, 0.1711,
0.1284

■ 27.8392, 0.2614,
0.2703

■ 6.9716, 0.1644,
0.1119

■ 33.1374, 0.2786,
0.2911

■ 39.0889, 0.2950,
0.3098

■ 45.7159, 0.3104,
0.3266

■ 53.0400, 0.3248,
0.3414

■ 61.0814, 0.3380,
0.3545

■ 69.8597, 0.3501,
0.3659

Harmonies

Analogous

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



15.6168, 0.1727, 0.2116



15.6168, 0.2095, 0.1990



15.6168, 0.2765, 0.2129

Triad

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



15.6168, 0.2095, 0.1990



15.6168, 0.4854, 0.3631



15.6168, 0.2486, 0.4337

Complementary

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



15.6168, 0.2095, 0.1990



30.0511, 0.4301, 0.4275

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.



15.6168, 0.3285, 0.4895



15.6168, 0.2095, 0.1990



15.6168, 0.4678, 0.4258

Square

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



15.6168, 0.2095, 0.1990



15.6168, 0.4472, 0.3022



15.6168, 0.4085, 0.4778



15.6168, 0.1908, 0.3376

Rectangle

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



15.6168, 0.2095, 0.1990



15.6168, 0.3346, 0.2350



15.6168, 0.4085, 0.4778



15.6168, 0.2738, 0.4595

Sweetspot

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



15.6173, 0.2095, 0.1990



63.4106, 0.2840, 0.2974



36.7480, 0.2611, 0.3965



13.3375, 0.2791, 0.2917



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



15.6173, 0.2095, 0.1990



21.2344, 0.1891, 0.1651



9.7785, 0.2087, 0.1403



9.2170, 0.2985, 0.3137



5.0353, 0.1650, 0.1140



0.2960, 0.1802, 0.1687

Inverse Universe

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



15.4349, 0.4342, 0.2764



22.8618, 0.4788, 0.2720



41.9335, 0.3819, 0.4794



9.0624, 0.3235, 0.3211



7.2907, 0.5552, 0.2832



0.2690, 0.4822, 0.2430

Previews

White Background



This preview shows how the Yxy color 15.6168, 0.2095, 0.1990 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 15.6168, 0.2095, 0.1990 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 15.6168, 0.2095, 0.1990

Background



This preview shows how black text looks on a background with the Yxy color 15.6168, 0.2095, 0.1990.



This preview shows how white text looks on a background with the Yxy color 15.6168, 0.2095, 0.1990.

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

15.6168, 0.2095, 0.1990

Protanopia

15.5162, 0.2165, 0.1999

Deuteranopia

15.5534, 0.2053, 0.1995



Tritanopia

15.6025, 0.2322, 0.3063

Trichromacy



Original Color

15.6168, 0.2095, 0.1990

Protanomaly

15.5978, 0.2135, 0.1996

Deuteranomaly

15.6531, 0.2070, 0.2000

Tritanomaly

15.4450, 0.2222, 0.2602

Monochromacy



Original Color

15.6168, 0.2095, 0.1990

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.5638, 0.2643, 0.2734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6168, 0.2095, 0.1990 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(70, 109, 182)` looks like.

```
.text, #text, p{  
    color:rgb(70, 109, 182)  
}
```

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(70, 109, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 109, 182) }
```

Border

The CSS property to change the border of an element to Yxy 15.6168, 0.2095, 0.1990 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(70, 109, 182) }
```

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

```
.border{ border-color:rgb(70, 109, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 109, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 109, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 109, 182);  
box-shadow:4px 4px 4px 4px rgb(70, 109,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6168, 0.2095, 0.1990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 109, 182) }
```

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

```
.background{ background-color: rgb(70, 109,  
182) }
```

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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