

Converting Colors

$Y_{xy}(15.9796, 0.2086, 0.2065)$

Have a look what the booklet for
Yxy(15.9796, 0.2086, 0.2065)
contains.

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Color

Yxy(15.9736, 0.2083, 0.2060)

Conversions

Conversions Part 1

Format	Color
Hex	4070B4
RGB	64, 112, 180
RGB Percent	25%, 44%, 71%
CMY	0.7486, 0.5608, 0.2941
CMYK	0.64, 0.38, 0.00, 0.29
HSL	215°, 47%, 48%
HSV	215°, 64%, 71%
XYZ	16.1519, 15.9736, 45.4162
YIQ	105.4000, -50.4360, 10.9720

Conversions

Conversions Part 2

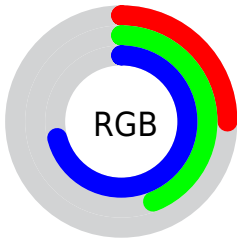
Format	Color
R _Y B	64, 98, 180
Decimal	4223156
CIE Lab	46.94, 5.66, -40.92
CIE LCh	47, 41.305, 277.870
Yxy	15.9736, 0.2083, 0.2060
Android (android.graphics.Color)	4282413236 (0xFF4070B4)
YUV	105.4000, 36.7778, -36.3078
Hunter-Lab	39.9670, 2.1954, -39.3969

Details

The Yxy color **15.9736, 0.2083, 0.2060** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.6118, 0.4437, 0.4214**, and the grayscale version is **14.1556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3881, 0.2308, 0.2316**, and **5.3129, 0.1797, 0.1669** is the 20% darker color. If you saturate the color by 10%, you get **13.2682, 0.1944, 0.1834**, and if you desaturate by 10%, it is **19.1485, 0.2238, 0.2285**.

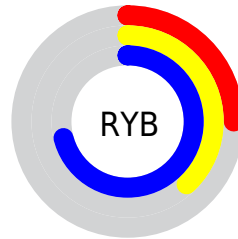
Distribution



Red (25%)

Green (44%)

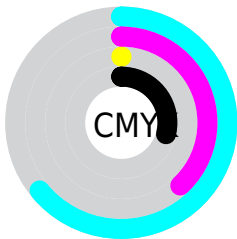
Blue (71%)



Red (25%)

Yellow (38%)

Blue (71%)

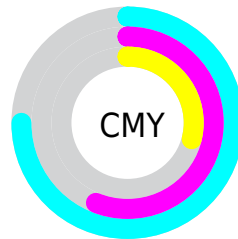


Cyan (64%)

Magenta (38%)

Yellow (0%)

Black (29%)



Cyan (75%)

Magenta (56%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.9736, 0.2083, 0.2060 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 15.9736, 0.2083, 0.2060 by changing the saturation by 10% instead.

■ 15.9736, 0.2083,
0.2060

■ 15.9736, 0.2083,
0.2060

■ 229.1859, 0.2669,
0.2737

■ 9.5055, 0.1919,
0.1876

■ 36.5524, 0.2310,
0.2319

■ 5.0723, 0.1701,
0.1635

■ 51.4318, 0.2391,
0.2412

■ 2.2898, 0.1404,
0.1313

■ 69.8838, 0.2458,
0.2490

■ 0.7683, 0.0995,
0.0880

■ 92.2927, 0.2514,
0.2555

■ 0.0000, 0.0000,
0.0000

■ 119.0430, 0.2562,
0.2611

150.5190, 0.2603,

0.2659

187.1052, 0.2638,
0.2700

■ 15.9736, 0.2083,
0.2060

■ 15.9736, 0.2083,
0.2060

■ 13.2682, 0.1944,
0.1834

■ 19.1485, 0.2238,
0.2285

■ 11.0016, 0.1828,
0.1615

■ 22.8171, 0.2403,
0.2503

■ 9.1411, 0.1738,
0.1412

■ 27.0036, 0.2573,
0.2709

■ 8.2423, 0.1696,
0.1305

■ 31.7299, 0.2741,
0.2899

■ 37.0165, 0.2905,
0.3072

■ 42.8828, 0.3061,
0.3227

■ 49.3470, 0.3209,
0.3366

■ 56.4266, 0.3346,
0.3488

■ 64.1384, 0.3473,
0.3595

Harmonies

Analogous

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



15.9736, 0.1773, 0.2227



15.9736, 0.2083, 0.2060



15.9736, 0.2680, 0.2156

Triad

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



15.9736, 0.2083, 0.2060



15.9736, 0.4728, 0.3539



15.9736, 0.2634, 0.4373

Complementary

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



15.9736, 0.2083, 0.2060



26.6118, 0.4437, 0.4214

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.



15.9736, 0.3403, 0.4806



15.9736, 0.2083, 0.2060



15.9736, 0.4645, 0.4134

Square

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



15.9736, 0.2083, 0.2060



15.9736, 0.4291, 0.2962



15.9736, 0.4139, 0.4639



15.9736, 0.2042, 0.3509

Rectangle

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



15.9736, 0.2083, 0.2060



15.9736, 0.3210, 0.2347



15.9736, 0.4139, 0.4639



15.9736, 0.2881, 0.4586

Sweetspot

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



15.9741, 0.2083, 0.2060



62.2525, 0.2825, 0.2989



35.3975, 0.2646, 0.4147



12.8795, 0.2778, 0.2939



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.



15.9741, 0.2083, 0.2060



22.3498, 0.1896, 0.1747



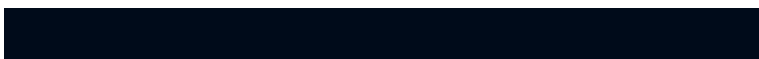
8.4201, 0.1969, 0.1287



8.7877, 0.2985, 0.3153



5.8780, 0.1702, 0.1327



0.3012, 0.1860, 0.1897

Inverse Universe

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



14.5520, 0.4286, 0.2644



21.8026, 0.4692, 0.2597



41.6024, 0.3914, 0.4803



8.5616, 0.3224, 0.3196



7.1335, 0.5289, 0.2687



0.2362, 0.4571, 0.2292

Previews

White Background



This preview shows how the Yxy color 15.9736, 0.2083, 0.2060 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 15.9736, 0.2083, 0.2060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

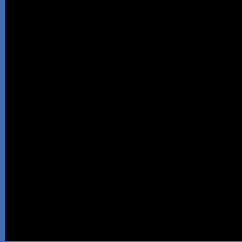
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9736, 0.2083, 0.2060

Background



This preview shows how black text looks on a background with the Yxy color 15.9736, 0.2083, 0.2060.



This preview shows how white text looks on a background with the Yxy color 15.9736, 0.2083, 0.2060.

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

15.9736, 0.2083, 0.2060

Protanopia

16.0429, 0.2228, 0.2084

Deuteranopia

15.8931, 0.2102, 0.2048



Tritanopia

15.9783, 0.2279, 0.3064

Trichromacy



Original Color

15.9736, 0.2083, 0.2060

Protanomaly

15.9440, 0.2167, 0.2072

Deuteranomaly

15.8575, 0.2096, 0.2047

Tritanomaly

15.7311, 0.2194, 0.2640

Monochromacy



Original Color

15.9736, 0.2083, 0.2060

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.5647, 0.2632, 0.2789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9736, 0.2083, 0.2060 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(64, 112, 180)` looks like.

```
.text, #text, p{  
    color:rgb(64, 112, 180)  
}
```

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(64, 112, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 112, 180) }
```

Border

The CSS property to change the border of an element to Yxy 15.9736, 0.2083, 0.2060 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(64, 112, 180) }
```

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

```
.border{ border-color:rgb(64, 112, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 112, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 112, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 112, 180);  
box-shadow:4px 4px 4px 4px rgb(64, 112,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9736, 0.2083, 0.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 112, 180) }
```

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

```
.background{ background-color: rgb(64, 112,  
180) }
```

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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