

Converting Colors

$Y_{xy}(17.7132, 0.2018, 0.2011)$

Have a look what the booklet for
Yxy(17.7132, 0.2018, 0.2011)
contains.

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Color

$Y_{xy}(17.6325, 0.2017, 0.2012)$

Conversions

Conversions Part 1

Format	Color
Hex	3976C0
RGB	57, 118, 192
RGB Percent	22%, 46%, 75%
CMY	0.7766, 0.5372, 0.2471
CMYK	0.70, 0.39, 0.00, 0.25
HSL	213°, 54%, 49%
HSV	213°, 70%, 75%
XYZ	17.6763, 17.6325, 52.3279
YIQ	108.1970, -60.1100, 10.0820

Conversions

Conversions Part 2

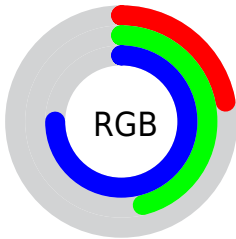
Format	Color
R_{YB}	57, 99, 192
Decimal	3765952
CIE _{Lab}	49.05, 5.02, -44.51
CIE _{LCh}	49, 44.791, 276.440
Yxy	17.6325, 0.2017, 0.2012
Android (android.graphics.Color)	4281956032 (0xFF3976C0)
YUV	108.1970, 41.3149, -44.8998
Hunter-Lab	41.9911, 1.6560, -44.4915

Details

The Yxy color **17.6325, 0.2017, 0.2012** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **27.7127, 0.4640, 0.4206**, and the grayscale version is **14.9469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5109, 0.2249, 0.2274**, and **6.2153, 0.1789, 0.1641** is the 20% darker color. If you saturate the color by 10%, you get **14.8311, 0.1896, 0.1801**, and if you desaturate by 10%, it is **20.9245, 0.2158, 0.2225**.

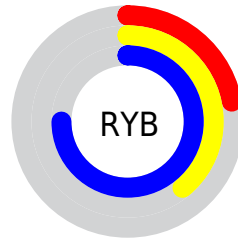
Distribution



Red (22%)

Green (46%)

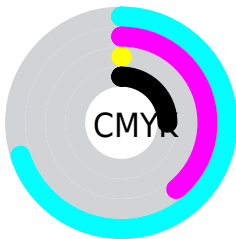
Blue (75%)



Red (22%)

Yellow (39%)

Blue (75%)

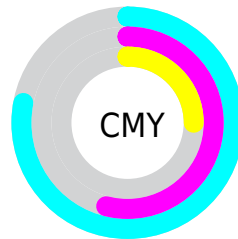


Cyan (70%)

Magenta (39%)

Yellow (0%)

Black (25%)



Cyan (78%)

Magenta (54%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6325, 0.2017, 0.2012 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 17.6325, 0.2017, 0.2012 by changing the saturation by 10% instead.

■ 17.6325, 0.2017,
0.2012

■ 17.6325, 0.2017,
0.2012

238.7914, 0.2627,
0.2702

■ 10.6865, 0.1853,
0.1830

■ 39.4101, 0.2249,
0.2272

■ 5.8564, 0.1638,
0.1596

■ 55.0105, 0.2334,
0.2367

■ 2.7580, 0.1353,
0.1290

■ 74.2644, 0.2404,
0.2447

■ 1.0067, 0.0972,
0.0892

■ 97.5563, 0.2463,
0.2514

■ 0.0000, 0.0047,
0.0000

■ 125.2706, 0.2513,
0.2571

■ 0.0000, 0.0000,
0.0000

157.7916, 0.2556,

0.2621

195.5037, 0.2594,
0.2664

■ 17.6325, 0.2017,
0.2012

■ 17.6325, 0.2017,
0.2012

■ 14.8311, 0.1896,
0.1801

■ 20.9245, 0.2158,
0.2225

■ 12.4839, 0.1799,
0.1599

■ 24.7355, 0.2313,
0.2434

■ 10.5894, 0.1727,
0.1417

■ 29.0933, 0.2476,
0.2633

■ 34.0227, 0.2643,
0.2820

■ 39.5468, 0.2808,
0.2991

■ 45.6874, 0.2969,
0.3147

■ 52.4648, 0.3122,
0.3286

■ 59.8986, 0.3267,
0.3409

■ 68.0072, 0.3403,
0.3518

Harmonies

Analogous

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



17.6325, 0.1712, 0.2195



17.6325, 0.2017, 0.2012



17.6325, 0.2621, 0.2101

Triad

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



17.6325, 0.2017, 0.2012



17.6325, 0.4794, 0.3510



17.6325, 0.2642, 0.4470

Complementary

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



17.6325, 0.2017, 0.2012



27.7127, 0.4640, 0.4206

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.



17.6325, 0.3446, 0.4890



17.6325, 0.2017, 0.2012



17.6325, 0.4726, 0.4129

Square

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



17.6325, 0.2017, 0.2012



17.6325, 0.4314, 0.2917



17.6325, 0.4209, 0.4675



17.6325, 0.2015, 0.3562

Rectangle

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



17.6325, 0.2017, 0.2012



17.6325, 0.3169, 0.2292



17.6325, 0.4209, 0.4675



17.6325, 0.2901, 0.4685

Sweetspot

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



17.6331, 0.2017, 0.2012



70.6150, 0.2792, 0.2975



40.1427, 0.2666, 0.4370



14.5346, 0.2746, 0.2928



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



17.6331, 0.2017, 0.2012



24.6462, 0.1844, 0.1698



7.7344, 0.1812, 0.1084



10.4812, 0.2984, 0.3161



7.2786, 0.1734, 0.1440



0.4520, 0.1854, 0.1873

Inverse Universe

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



15.4346, 0.4365, 0.2546



23.5684, 0.4778, 0.2530



48.6099, 0.4022, 0.4864



10.1519, 0.3220, 0.3186



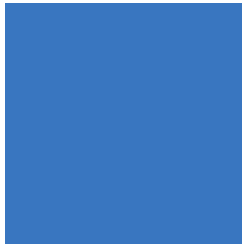
8.0170, 0.5138, 0.2604



0.3603, 0.4599, 0.2307

Previews

White Background



This preview shows how the Yxy color 17.6325, 0.2017, 0.2012 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 17.6325, 0.2017, 0.2012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

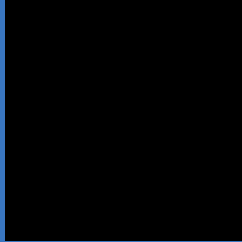
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6325, 0.2017, 0.2012

Background



This preview shows how black text looks on a background with the Yxy color 17.6325, 0.2017, 0.2012.

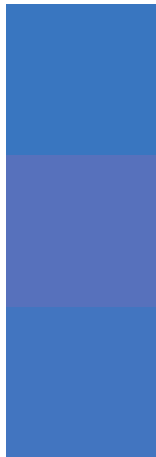


This preview shows how white text looks on a background with the Yxy color 17.6325, 0.2017, 0.2012.

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

17.6325, 0.2017, 0.2012

Protanopia

17.4673, 0.2191, 0.2023

Deuteranopia

17.6866, 0.2056, 0.2007



Tritanopia

17.5646, 0.2186, 0.3069

Trichromacy



Original Color

17.6325, 0.2017, 0.2012

Protanomaly

17.4721, 0.2120, 0.2024

Deuteranomaly

17.5851, 0.2041, 0.2002

Tritanomaly

17.2953, 0.2091, 0.2618

Monochromacy



Original Color

17.6325, 0.2017, 0.2012

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.5763, 0.2565, 0.2742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6325, 0.2017, 0.2012 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(57, 118, 192)` looks like.

```
.text, #text, p{  
    color:rgb(57, 118, 192)  
}
```

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(57, 118, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 118, 192) }
```

Border

The CSS property to change the border of an element to Yxy 17.6325, 0.2017, 0.2012 is called "border". The border property can be set on classes, ids or directly on the HTML element.

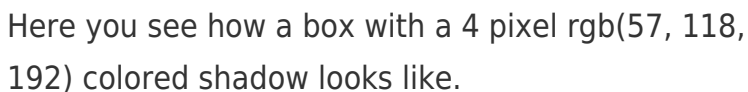
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(57, 118, 192) }
```

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

```
.border{ border-color:rgb(57, 118, 192) }
```

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



Here you see how a box with a 4 pixel rgb(57, 118, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 118, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 118, 192);  
box-shadow:4px 4px 4px 4px rgb(57, 118,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6325, 0.2017, 0.2012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 118, 192) }
```

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

```
.background{ background-color: rgb(57, 118,  
192) }
```

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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