

Converting Colors

$Y_{xy}(17.2675, 0.2145, 0.2288)$

Have a look what the booklet for
Yxy(17.2675, 0.2145, 0.2288)
contains.

Yxy(17.2675, 0.2145, 0.2288)	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(17.2675, 0.2145, 0.2288)

Conversions

Conversions Part 1

Format	Color
Hex	3F77AD
RGB	63, 119, 173
RGB Percent	25%, 47%, 68%
CMY	0.7530, 0.5333, 0.3216
CMYK	0.64, 0.31, 0.00, 0.32
HSL	209°, 47%, 46%
HSV	209°, 64%, 68%
XYZ	16.1883, 17.2675, 42.0141
YIQ	108.4120, -50.7100, 4.9220

Conversions

Conversions Part 2

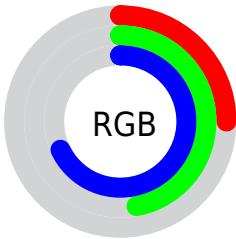
Format	Color
R_{YB}	63, 100, 173
Decimal	4159405
CIE _{Lab}	48.60, -1.27, -34.23
CIE _{LCh}	49, 34.257, 267.872
Yxy	17.2675, 0.2145, 0.2288
Android (android.graphics.Color)	4282349485 (0xFF3F77AD)
YUV	108.4120, 31.8419, -39.8263
Hunter-Lab	41.5542, -3.1815, -30.8582

Details

The Yxy color **17.2675, 0.2145, 0.2288** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.9599, 0.4527, 0.4059**, and the grayscale version is **15.0366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8479, 0.2359, 0.2504**, and **5.8625, 0.1874, 0.1947** is the 20% darker color. If you saturate the color by 10%, you get **14.8538, 0.2018, 0.2098**, and if you desaturate by 10%, it is **20.0419, 0.2288, 0.2474**.

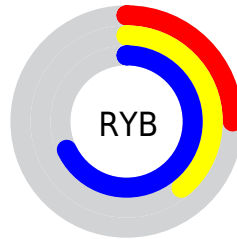
Distribution



Red (25%)

Green (47%)

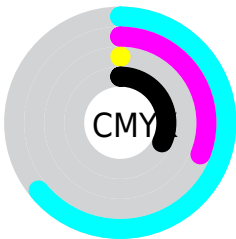
Blue (68%)



Red (25%)

Yellow (39%)

Blue (68%)

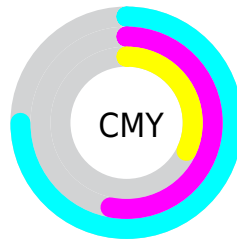


Cyan (64%)

Magenta (31%)

Yellow (0%)

Black (32%)



Cyan (75%)

Magenta (53%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2675, 0.2145, 0.2288 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 17.2675, 0.2145, 0.2288 by changing the saturation by 10% instead.

■ 17.2675, 0.2145,
0.2288

■ 17.2675, 0.2145,
0.2288

■ 236.7092, 0.2693,
0.2849

■ 10.4254, 0.1991,
0.2129

■ 38.7851, 0.2357,
0.2506

■ 5.6819, 0.1785,
0.1916

■ 54.2294, 0.2433,
0.2584

■ 2.6526, 0.1501,
0.1620

■ 73.3100, 0.2496,
0.2648

■ 0.9532, 0.1099,
0.1198

■ 96.4111, 0.2548,
0.2701

■ 0.0000, 0.0000,
0.0000

■ 123.9171, 0.2592,
0.2747

156.2126, 0.2631,

0.2786

193.6818, 0.2664,
0.2820

■ 17.2675, 0.2145,
0.2288

■ 17.2675, 0.2145,
0.2288

■ 14.8538, 0.2018,
0.2098

■ 20.0419, 0.2288,
0.2474

■ 12.7769, 0.1911,
0.1910

■ 23.1949, 0.2441,
0.2653

■ 11.0115, 0.1828,
0.1729

■ 26.7451, 0.2600,
0.2822

■ 10.0120, 0.1782,
0.1616

■ 30.7089, 0.2761,
0.2977

■ 35.1019, 0.2919,
0.3119

■ 39.9387, 0.3073,
0.3247

■ 45.2330, 0.3221,
0.3362

■ 50.9979, 0.3361,
0.3463

■ 57.2461, 0.3492,
0.3553

Harmonies

Analogous

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



17.2675, 0.1961, 0.2528



17.2675, 0.2145, 0.2288



17.2675, 0.2576, 0.2291

Triad

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



17.2675, 0.2145, 0.2288



17.2675, 0.4349, 0.3357



17.2675, 0.2945, 0.4310

Complementary

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



17.2675, 0.2145, 0.2288



21.9599, 0.4527, 0.4059

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.



17.2675, 0.3591, 0.4513



17.2675, 0.2145, 0.2288



17.2675, 0.4439, 0.3861

Square

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



17.2675, 0.2145, 0.2288



17.2675, 0.3876, 0.2880



17.2675, 0.4144, 0.4300



17.2675, 0.2381, 0.3713

Rectangle

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



17.2675, 0.2145, 0.2288



17.2675, 0.2979, 0.2412



17.2675, 0.4144, 0.4300



17.2675, 0.3159, 0.4429

Sweetspot

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



17.2681, 0.2145, 0.2288



58.2565, 0.2829, 0.3040



32.2076, 0.2720, 0.4347



12.1969, 0.2784, 0.2999



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



17.2681, 0.2145, 0.2288



25.1453, 0.1976, 0.2028



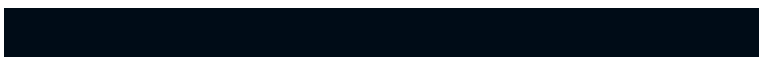
7.8328, 0.1920, 0.1311



8.4061, 0.2986, 0.3176



7.4701, 0.1788, 0.1635



0.3171, 0.1939, 0.2182

Inverse Universe

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



13.7692, 0.4059, 0.2502



20.4504, 0.4375, 0.2420



38.4312, 0.4013, 0.4713



8.0809, 0.3210, 0.3175



7.0572, 0.4887, 0.2466



0.2074, 0.4252, 0.2116

Previews

White Background



This preview shows how the Yxy color 17.2675, 0.2145, 0.2288 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 17.2675, 0.2145, 0.2288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

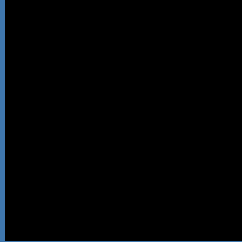
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2675, 0.2145, 0.2288

Background



This preview shows how black text looks on a background with the Yxy color 17.2675, 0.2145, 0.2288.



This preview shows how white text looks on a background with the Yxy color 17.2675, 0.2145, 0.2288.

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

17.2675, 0.2145, 0.2288

Protanopia

17.1788, 0.2403, 0.2306

Deuteranopia

17.1169, 0.2280, 0.2219



Tritanopia

17.2348, 0.2307, 0.3071

Trichromacy



Original Color

17.2675, 0.2145, 0.2288

Protanomaly

17.0950, 0.2295, 0.2290

Deuteranomaly

17.1665, 0.2221, 0.2239

Tritanomaly

17.0397, 0.2241, 0.2753

Monochromacy



Original Color

17.2675, 0.2145, 0.2288

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.5296, 0.2663, 0.2877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2675, 0.2145, 0.2288 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(63, 119, 173)` looks like.

```
.text, #text, p{  
    color:rgb(63, 119, 173)  
}
```

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(63, 119, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 119, 173) }
```

Border

The CSS property to change the border of an element to Yxy 17.2675, 0.2145, 0.2288 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(63, 119, 173) }
```

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

```
.border{ border-color:rgb(63, 119, 173) }
```

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

Here you see how a box with a 4 pixel rgb(63, 119, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 119, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 119, 173);  
box-shadow:4px 4px 4px 4px rgb(63, 119,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2675, 0.2145, 0.2288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 119, 173) }
```

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

```
.background{ background-color: rgb(63, 119,  
173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor