

Converting Colors

XYZ(15.0032, 15.6622, 38.1893)

Have a look what the booklet for
XYZ(15.0032, 15.6622, 38.1893)
contains.

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Color

**XYZ(15.0348, 15.7217,
38.3186)**

Conversions

Conversions Part 1

Format	Color
Hex	4271A6
RGB	66, 113, 166
RGB Percent	26%, 44%, 65%
CMY	0.7412, 0.5569, 0.3490
CMYK	0.60, 0.32, 0.00, 0.35
HSL	212°, 43%, 45%
HSV	212°, 60%, 65%
XYZ	15.0348, 15.7217, 38.3186
YIQ	104.9890, -45.0250, 6.5190

Conversions

Conversions Part 2

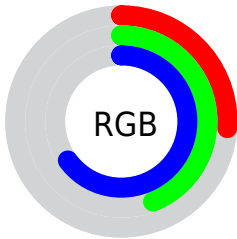
Format	Color
R _{YB}	66, 98, 166
Decimal	4354470
CIE Lab	46.61, 0.55, -33.26
CIE LCh	47, 33.265, 270.950
Yxy	15.7217, 0.2177, 0.2276
Android (android.graphics.Color)	4282544550 (0xFF4271A6)
YUV	104.9890, 30.0784, -34.1934
Hunter-Lab	39.6506, -1.7045, -29.5428

Details

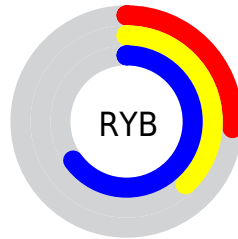
The XYZ color **15.0348, 15.7217, 38.3186** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.3067, 21.6949, 8.1140**, and the grayscale version is **13.3547, 14.0502, 15.3007**.

A 20% lighter version of the original color is **34.5323, 36.2683, 73.5870**, and **4.9855, 5.1113, 16.6434** is the 20% darker color. If you saturate the color by 10%, you get **13.1400, 13.3579, 37.9625**, and if you desaturate by 10%, it is **17.3505, 18.4442, 38.7224**.

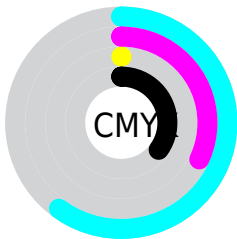
Distribution



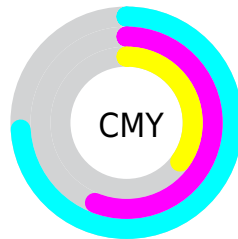
- Red (26%)
- Green (44%)
- Blue (65%)



- Red (26%)
- Yellow (38%)
- Blue (65%)



- Cyan (60%)
- Magenta (32%)
- Yellow (0%)
- Black (35%)



- Cyan (74%)
- Magenta (56%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0348, 15.7217, 38.3186 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 XYZ color 15.0348, 15.7217, 38.3186 by changing the saturation by 10% instead.

■ 15.0348, 15.7217,
38.3186

■ 15.0348, 15.7217,
38.3186

216.9610,
227.6939, 354.3238

■ 8.9303, 9.3274,
25.9263

■ 34.4854, 36.1144,
73.8050

■ 4.7525, 4.9554,
16.5432

■ 48.5621, 50.8816,
97.7363

■ 2.1360, 2.2211,
9.7509

■ 66.0270, 69.2086,
126.3509

■ 0.7087, 0.7315,
5.1307

■ 87.2454, 91.4797,
160.0674

■ 0.0000, 0.0000,
2.2640

■ 112.5827,
118.0794, 199.3045

■ 0.0000, 0.0000,
0.7110

142.4041,

■ 0.0000, 0.0000,

149.3921, 244.4805

0.0000

177.0751,
185.8021, 296.0141

■ 15.0348, 15.7217,
38.3186

■ 15.0348, 15.7217,
38.3186

■ 13.1400, 13.3579,
37.9625

■ 17.3505, 18.4442,
38.7224

■ 11.6328, 11.3310,
37.6507

■ 20.1134, 21.5422,
39.1747

■ 10.4767, 9.6181,
37.3810

■ 23.3496, 25.0330,
39.6779

■ 9.6087, 8.2047,
37.1540

■ 27.0825, 28.9323,
40.2338

■ 31.3340, 33.2546,
40.8441

■ 36.1244, 38.0140,
41.5102

■ 41.4729, 43.2234,
42.2338

■ 47.3979, 48.8956,
43.0164

■ 53.9168, 55.0424,
43.8593

Harmonies

Analogous

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



12.4171, 15.7217, 35.0151



15.0348, 15.7217, 38.3186



17.9689, 15.7217, 34.5941

Triad

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



15.0348, 15.7217, 38.3186



20.2008, 15.7217, 10.2009



10.6141, 15.7217, 10.5261

Complementary

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



15.0348, 15.7217, 38.3186



23.3067, 21.6949, 8.1140

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.



12.2774, 15.7217, 6.8167



15.0348, 15.7217, 38.3186



17.7901, 15.7217, 6.6757

Square

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



15.0348, 15.7217, 38.3186



21.1772, 15.7217, 16.8572



14.8516, 15.7217, 5.6694



10.0708, 15.7217, 17.3820

Rectangle

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



15.0348, 15.7217, 38.3186



19.6584, 15.7217, 29.1496



14.8516, 15.7217, 5.6694



11.0493, 15.7217, 8.9583

Sweetspot

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



15.0354, 15.7222, 38.3190



50.5473, 53.9426, 73.2231



19.1338, 29.7313, 21.7669



10.8520, 11.5986, 16.3189



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.0354, 15.7222, 38.3190



22.9275, 23.0394, 68.7139



11.1925, 7.8673, 37.0054



7.4116, 7.8601, 9.5449



7.4971, 6.4544, 28.8262



0.2339, 0.2601, 0.7185

Inverse Universe

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



20.6552, 13.1963, 17.0818



34.4989, 19.7402, 24.5597



29.9987, 35.5942, 10.4442



7.6724, 7.5988, 8.5918



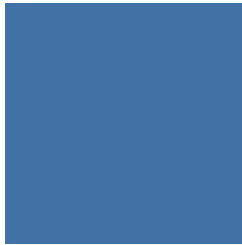
13.2848, 6.7226, 6.3113



0.3492, 0.1740, 0.2905

Previews

White Background



This preview shows how the XYZ color 15.0348, 15.7217, 38.3186 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 XYZ color 15.0348, 15.7217, 38.3186 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](#).

XYZ 15.0348, 15.7217, 38.3186

Background



This preview shows how black text looks on a background with the XYZ color 15.0348, 15.7217, 38.3186.



This preview shows how white text looks on a background with the XYZ color 15.0348, 15.7217,

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

15.0348, 15.7217, 38.3186

Protanopia

16.2978, 15.6091, 36.3363

Deuteranopia

16.1183, 15.7809, 38.7557



Tritanopia

12.0611, 15.7228, 23.5182

Trichromacy



Original Color

15.0348, 15.7217, 38.3186

Protanomaly

15.7541, 15.6352, 36.8379

Deuteranomaly

15.7201, 15.7367, 38.7682

Tritanomaly

12.9501, 15.5465, 28.3048

Monochromacy



Original Color

15.0348, 15.7217, 38.3186

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.5077, 14.4816, 22.1620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0348, 15.7217, 38.3186 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(66, 113, 166)` looks like.

```
.text, #text, p{  
    color:rgb(66, 113, 166)  
}
```

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(66, 113, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 113, 166) }
```

Border

The CSS property to change the border of an element to XYZ 15.0348, 15.7217, 38.3186 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(66, 113, 166) }
```


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

```
.border{ border-color:rgb(66, 113, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 113, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 113, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 113, 166);  
box-shadow:4px 4px 4px 4px rgb(66, 113,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0348, 15.7217, 38.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 113, 166) }
```

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

```
.background{ background-color: rgb(66, 113,  
166) }
```

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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