

Converting Colors

XYZ(15.3074, 17.1911, 33.7322)

Have a look what the booklet for
XYZ(15.3074, 17.1911, 33.7322)
contains.

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Color

**XYZ(15.2314, 17.1391,
33.5157)**

Conversions

Conversions Part 1

Format	Color
Hex	47789B
RGB	71, 120, 155
RGB Percent	28%, 47%, 61%
CMY	0.7216, 0.5294, 0.3922
CMYK	0.54, 0.23, 0.00, 0.39
HSL	205°, 37%, 44%
HSV	205°, 54%, 61%
XYZ	15.2314, 17.1391, 33.5157
YIQ	109.3390, -40.4390, 0.4970

Conversions

Conversions Part 2

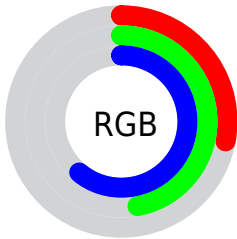
Format	Color
R _Y B	71, 102, 155
Decimal	4683931
CIE Lab	48.43, -6.15, -23.94
CIE LCh	48, 24.722, 255.590
Yxy	17.1391, 0.2312, 0.2601
Android (android.graphics.Color)	4282874011 (0xFF47789B)
YUV	109.3390, 22.5109, -33.6233
Hunter-Lab	41.3994, -6.7764, -19.0198

Details

The XYZ color **15.2314, 17.1391, 33.5157** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.8095, 17.7323, 8.3405**, and the grayscale version is **14.5789, 15.3381, 16.7032**.

A 20% lighter version of the original color is **34.8428, 38.5182, 66.5711**, and **4.8786, 5.6665, 13.9333** is the 20% darker color. If you saturate the color by 10%, you get **13.4857, 15.1250, 33.2193**, and if you desaturate by 10%, it is **17.3206, 19.4087, 33.8440**.

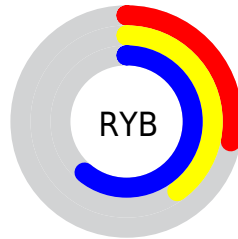
Distribution



Red (28%)

Green (47%)

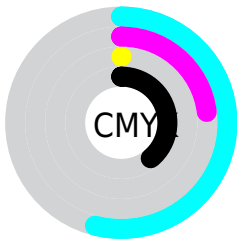
Blue (61%)



Red (28%)

Yellow (40%)

Blue (61%)

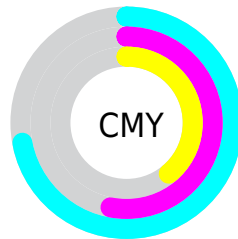


Cyan (54%)

Magenta (23%)

Yellow (0%)

Black (39%)



Cyan (72%)

Magenta (53%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2314, 17.1391, 33.5157 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 15.2314, 17.1391, 33.5157 by changing the saturation by 10% instead.

■ 15.2314, 17.1391,
33.5157

■ 15.2314, 17.1391,
33.5157

218.1233,
235.9727, 332.6701

■ 9.0693, 10.3337,
22.2475

■ 34.8269, 38.5648,
66.3051

■ 4.8439, 5.6208,
13.8388

■ 48.9911, 53.9539,
88.6633

■ 2.1898, 2.6159,
7.8712

■ 66.5534, 72.9730,
115.5553

■ 0.7373, 0.9347,
3.9260

■ 87.8791, 96.0065,
147.3995

■ 0.0000, 0.0000,
1.5848

■ 113.3336,
123.4388, 184.6146

■ 0.0000, 0.0000,
0.2800

143.2822,

■ 0.0000, 0.0000,

155.6544, 227.6190

0.0000

178.0903,
193.0376, 276.8314

■ 15.2314, 17.1391,
33.5157

■ 15.2314, 17.1391,
33.5157

■ 13.4857, 15.1250,
33.2193

■ 17.3206, 19.4087,
33.8440

■ 12.0582, 13.3509,
32.9521

■ 19.7728, 21.9444,
34.2042

■ 10.9227, 11.8020,
32.7130

■ 22.6078, 24.7581,
34.5979

■ 10.0468, 10.4601,
32.5001

■ 25.8435, 27.8606,
35.0262

■ 9.6079, 9.7494,
32.3861

■ 29.4966, 31.2616,
35.4901

■ 33.5828, 34.9707,
35.9906

■ 38.1168, 38.9968,
36.5288

■ 43.1129, 43.3485,
37.1054

■ 48.5845, 48.0339,
37.7214

Harmonies

Analogous

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



13.4317, 17.1391, 29.0510



15.2314, 17.1391, 33.5157



17.4875, 17.1391, 33.4177

Triad

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



15.2314, 17.1391, 33.5157



20.8498, 17.1391, 15.5097



13.3761, 17.1391, 11.2304

Complementary

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



15.2314, 17.1391, 33.5157



19.8095, 17.7323, 8.3405

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.



15.1489, 17.1391, 9.0498



15.2314, 17.1391, 33.5157



19.5280, 17.1391, 11.1017

Square

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



15.2314, 17.1391, 33.5157



20.8772, 17.1391, 21.9369



17.3970, 17.1391, 9.0089



12.4297, 17.1391, 15.7296

Rectangle

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



15.2314, 17.1391, 33.5157



18.9553, 17.1391, 30.7369



17.3970, 17.1391, 9.0089



13.8874, 17.1391, 10.2531

Sweetspot

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



15.2320, 17.1397, 33.5161



44.9921, 48.6724, 62.5597



16.9219, 25.8233, 17.7289



9.9281, 10.7731, 14.1265



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.2320, 17.1397, 33.5161



23.5749, 26.3927, 59.3881



11.2399, 9.1556, 32.1854



6.1687, 6.5948, 7.8768



7.7552, 7.9071, 26.0252



0.1518, 0.1899, 0.4010

Inverse Universe

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



19.1615, 12.8317, 19.2368



31.6885, 19.0272, 29.5611



25.2452, 28.6037, 10.1524



6.3523, 6.2801, 7.2352



12.3732, 6.2035, 8.4905



0.2031, 0.1000, 0.2222

Previews

White Background



This preview shows how the XYZ color 15.2314, 17.1391, 33.5157 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 15.2314, 17.1391, 33.5157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

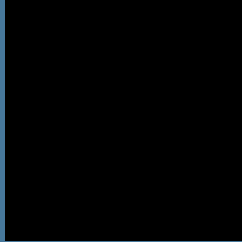
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2314, 17.1391, 33.5157

Background



This preview shows how black text looks on a background with the XYZ color 15.2314, 17.1391, 33.5157.

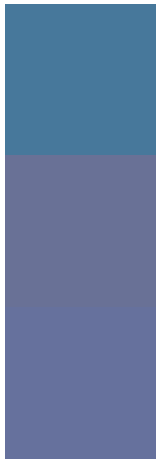


This preview shows how white text looks on a background with the XYZ color 15.2314, 17.1391,

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

15.2314, 17.1391, 33.5157

Protanopia

17.2358, 17.0155, 31.2301

Deuteranopia

17.4704, 17.0694, 34.2722



Tritanopia

13.5606, 17.1933, 25.1582

Trichromacy



Original Color

15.2314, 17.1391, 33.5157

Protanomaly

16.4271, 17.0849, 32.1377

Deuteranomaly

16.5605, 17.1152, 33.8832

Tritanomaly

14.2122, 17.2772, 28.1769

Monochromacy



Original Color

15.2314, 17.1391, 33.5157

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.3903, 15.7495, 22.0202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2314, 17.1391, 33.5157 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(71, 120, 155)` looks like.

```
.text, #text, p{  
    color:rgb(71, 120, 155)  
}
```

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(71, 120, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 120, 155) }
```

Border

The CSS property to change the border of an element to XYZ 15.2314, 17.1391, 33.5157 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(71, 120, 155) }
```


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

```
.border{ border-color:rgb(71, 120, 155) }
```

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

Here you see how a box with a 4 pixel rgb(71, 120, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 120, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 120, 155);  
box-shadow:4px 4px 4px 4px rgb(71, 120,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2314, 17.1391, 33.5157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 120, 155) }
```

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

```
.background{ background-color: rgb(71, 120,  
155) }
```

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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