

Converting Colors

XYZ(15.4645, 16.3234, 31.8400)

Have a look what the booklet for
XYZ(15.4645, 16.3234, 31.8400)
contains.

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Color

**XYZ(15.4311, 16.2329,
32.0257)**

Conversions

Conversions Part 1

Format	Color
Hex	557298
RGB	85, 114, 152
RGB Percent	33%, 45%, 60%
CMY	0.6667, 0.5529, 0.4039
CMYK	0.44, 0.25, 0.00, 0.40
HSL	214°, 28%, 46%
HSV	214°, 44%, 60%
XYZ	15.4311, 16.2329, 32.0257
YIQ	109.6610, -29.4820, 5.6700

Conversions

Conversions Part 2

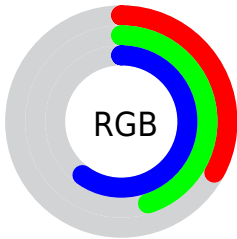
Format	Color
R _Y B	85, 105, 152
Decimal	5599896
CIE Lab	47.28, 0.01, -23.91
CIE LCh	47, 23.907, 270.031
Yxy	16.2329, 0.2423, 0.2549
Android (android.graphics.Color)	4283789976 (0xFF557298)
YUV	109.6610, 20.8731, -21.6277
Hunter-Lab	40.2901, -2.1421, -18.9253

Details

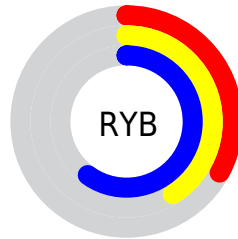
The XYZ color **15.4311, 16.2329, 32.0257** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.6720, 21.4977, 11.6022**, and the grayscale version is **14.6727, 15.4368, 16.8107**.

A 20% lighter version of the original color is **35.2580, 37.1319, 63.7014**, and **4.9244, 5.1593, 13.0482** is the 20% darker color. If you saturate the color by 10%, you get **13.2696, 13.7427, 31.6593**, and if you desaturate by 10%, it is **17.9818, 19.0605, 32.4373**.

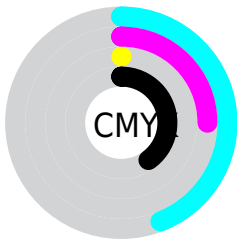
Distribution



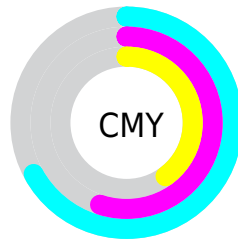
- Red (33%)
- Green (45%)
- Blue (60%)



- Red (33%)
- Yellow (41%)
- Blue (60%)



- Cyan (44%)
- Magenta (25%)
- Yellow (0%)
- Black (40%)



- Cyan (67%)
- Magenta (55%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4311, 16.2329, 32.0257 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 15.4311, 16.2329, 32.0257 by changing the saturation by 10% instead.

■ 15.4311, 16.2329,
32.0257

■ 15.4311, 16.2329,
32.0257

219.2979,
230.7121, 325.7326

■ 9.2108, 9.6891,
21.1161

■ 35.1732, 37.0021,
63.9498

■ 4.9371, 5.1933,
13.0169

■ 49.4257, 51.9962,
85.8013

■ 2.2448, 2.3611,
7.3093

■ 67.0862, 70.5760,
112.1373

■ 0.7662, 0.8058,
3.5749

■ 88.5202, 93.1257,
143.3763

■ 0.0000, 0.0000,
1.3952

■ 114.0931,
120.0297, 179.9368

■ 0.0000, 0.0000,
0.1379

144.1701,

■ 0.0000, 0.0000,

151.6726, 222.2373

0.0000

179.1166,
188.4386, 270.6964

■ 15.4311, 16.2329,
32.0257

■ 15.4311, 16.2329,
32.0257

■ 13.2696, 13.7427,
31.6593

■ 17.9818, 19.0605,
32.4373

■ 11.4740, 11.5732,
31.3351

■ 20.9400, 22.2374,
32.8946

■ 10.0207, 9.7086,
31.0518

■ 24.3246, 25.7773,
33.3995

■ 8.8826, 8.1307,
30.8073

■ 28.1529, 29.6925,
33.9534

■ 8.0270, 6.8185,
30.5991

■ 32.4411, 33.9944,
34.5578

■ 7.6036, 6.1391,
30.4903

■ 37.2048, 38.6943,
35.2139

■ 42.4584, 43.8026,
35.9230

■ 48.2161, 49.3297,
36.6864

■ 54.4914, 55.2852,
37.5051

Harmonies

Analogous

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



13.4897, 16.2329, 29.7719



15.4311, 16.2329, 32.0257



17.5497, 16.2329, 29.7629

Triad

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



15.4311, 16.2329, 32.0257



19.2145, 16.2329, 12.4743



12.1744, 16.2329, 12.4830

Complementary

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



15.4311, 16.2329, 32.0257



21.6720, 21.4977, 11.6022

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.



13.4862, 16.2329, 9.4034



15.4311, 16.2329, 32.0257



17.5455, 16.2329, 9.3992

Square

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



15.4311, 16.2329, 32.0257



19.8519, 16.2329, 17.6685



15.4267, 16.2329, 8.4160



11.7171, 16.2329, 17.6812

Rectangle

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



15.4311, 16.2329, 32.0257



18.7517, 16.2329, 26.2384



15.4267, 16.2329, 8.4160



12.5238, 16.2329, 11.2125

Sweetspot

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



15.4316, 16.2335, 32.0261



43.4620, 46.0436, 59.0303



18.5481, 25.8174, 22.7341



9.5808, 10.1573, 13.3731



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.4316, 16.2335, 32.0261



23.4381, 24.2761, 55.8841



13.0813, 10.9116, 31.1227



6.0934, 6.4441, 7.8517



6.4051, 5.2069, 25.5752



0.1309, 0.1482, 0.3941

Inverse Universe

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



19.2351, 14.3879, 17.6835



31.2469, 21.3020, 26.2552



24.9968, 29.3651, 12.9455



6.3142, 6.2649, 7.0349



11.6918, 5.9309, 4.9019



0.1926, 0.0958, 0.1668

Previews

White Background



This preview shows how the XYZ color 15.4311, 16.2329, 32.0257 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 15.4311, 16.2329, 32.0257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

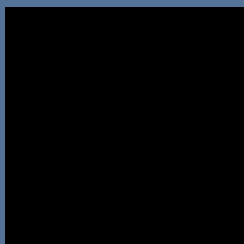
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

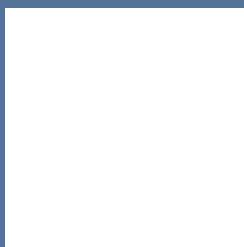
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4311, 16.2329, 32.0257

Background



This preview shows how black text looks on a background with the XYZ color 15.4311, 16.2329, 32.0257.

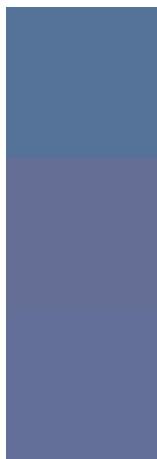


This preview shows how white text looks on a background with the XYZ color 15.4311, 16.2329,

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

15.4311, 16.2329, 32.0257

Protanopia

16.3676, 16.0885, 30.6765

Deuteranopia

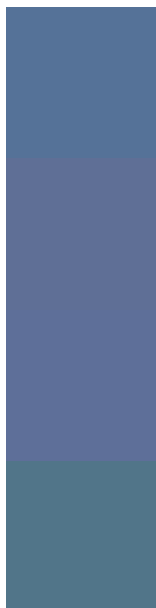
16.4713, 16.1044, 32.3773



Tritanopia

13.5166, 16.1351, 22.8241

Trichromacy



Original Color

15.4311, 16.2329, 32.0257

Protanomaly

15.9088, 16.0038, 31.1047

Deuteranomaly

16.0503, 16.0485, 32.3887

Tritanomaly

14.2700, 16.2781, 26.0568

Monochromacy



Original Color

15.4311, 16.2329, 32.0257

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.7529, 15.6162, 21.6387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4311, 16.2329, 32.0257 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(85, 114, 152) looks like.

```
.text, #text, p{  
    color:rgb(85, 114, 152)  
}
```

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(85, 114, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 114, 152) }
```

Border

The CSS property to change the border of an element to XYZ 15.4311, 16.2329, 32.0257 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(85, 114, 152) }
```


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

```
.border{ border-color:rgb(85, 114, 152) }
```

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

Here you see how a box with a 4 pixel rgb(85, 114, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 114, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 114, 152);  
box-shadow:4px 4px 4px 4px rgb(85, 114,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4311, 16.2329, 32.0257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 114, 152) }
```

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

```
.background{ background-color: rgb(85, 114,  
152) }
```

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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