

Converting Colors

XYZ(15.3654, 18.9112, 30.4528)

Have a look what the booklet for
XYZ(15.3654, 18.9112, 30.4528)
contains.

XYZ(15.4315, 19.0004, 30.4579)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.4315, 19.0004,
30.4579)**

Conversions

Conversions Part 1

Format	Color
Hex	438193
RGB	67, 129, 147
RGB Percent	26%, 51%, 58%
CMY	0.7372, 0.4941, 0.4235
CMYK	0.54, 0.12, 0.00, 0.42
HSL	193°, 37%, 42%
HSV	193°, 54%, 58%
XYZ	15.4315, 19.0004, 30.4579
YIQ	112.5140, -42.7300, -7.5460

Conversions

Conversions Part 2

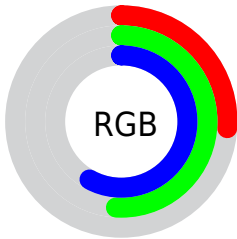
Format	Color
R _{YB}	67, 102, 147
Decimal	4424083
CIE _{Lab}	50.69, -14.68, -15.82
CIE _{LCh}	51, 21.583, 227.146
Yxy	19.0004, 0.2378, 0.2928
Android (android.graphics.Color)	4282614163 (0xFF438193)
YUV	112.5140, 17.0016, -39.9158
Hunter-Lab	43.5894, -13.0891, -10.9160

Details

The XYZ color **15.4315, 19.0004, 30.4579** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.2948, 13.1060, 6.9818**, and the grayscale version is **15.5134, 16.3213, 17.7739**.

A 20% lighter version of the original color is **35.1557, 41.7379, 61.4617**, and **4.9800, 6.5818, 12.0743** is the 20% darker color. If you saturate the color by 10%, you get **14.1203, 17.6885, 30.2741**, and if you desaturate by 10%, it is **17.0139, 20.4738, 30.6592**.

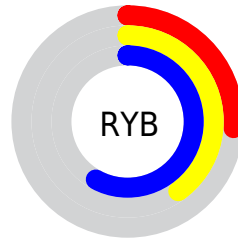
Distribution



Red (26%)

Green (51%)

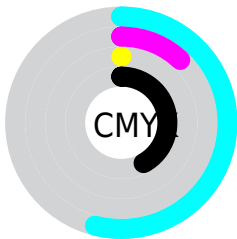
Blue (58%)



Red (26%)

Yellow (40%)

Blue (58%)

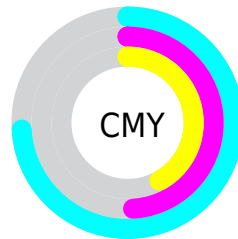


Cyan (54%)

Magenta (12%)

Yellow (0%)

Black (42%)



Cyan (74%)

Magenta (49%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4315, 19.0004, 30.4579 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 15.4315, 19.0004, 30.4579 by changing the saturation by 10% instead.

■ 15.4315, 19.0004,
30.4579

■ 15.4315, 19.0004,
30.4579

■ 219.3003,
246.4510, 318.3065

■ 9.2111, 11.6706,
19.9314

■ 35.1739, 41.7348,
61.4551

■ 4.9373, 6.5198,
12.1616

■ 49.4265, 57.9081,
82.7629

■ 2.2449, 3.1636,
6.7300

■ 67.0873, 77.7981,
108.5016

■ 0.7662, 1.2178,
3.2179

■ 88.5215, 101.7890,
139.0896

■ 0.0000, 0.0761,
1.2070

■ 114.0946,
130.2654, 174.9456

■ 0.0000, 0.0000,
0.0000

144.1718,

163.6116, 216.4880

179.1186,
202.2120, 264.1355

■ 15.4315, 19.0004,
30.4579

■ 15.4315, 19.0004,
30.4579

■ 14.1203, 17.6885,
30.2741

■ 17.0139, 20.4738,
30.6592

■ 13.0585, 16.5255,
30.1056

■ 18.8834, 22.1160,
30.8777

■ 12.2240, 15.5003,
29.9517

■ 21.0569, 23.9363,
31.1145

■ 11.5884, 14.5979,
29.8110

■ 23.5495, 25.9425,
31.3703

■ 11.2755, 14.1246,
29.7362

■ 26.3750, 28.1421,
31.6460

■ 29.5467, 30.5419,
31.9420

■ 33.0769, 33.1487,
32.2591

■ 36.9773, 35.9685,
32.5978

■ 41.2593, 39.0075,
32.9587

Harmonies

Analogous

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



14.4444, 19.0004, 24.3163



15.4315, 19.0004, 30.4579



17.1694, 19.0004, 34.2517

Triad

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



15.4315, 19.0004, 30.4579



22.3226, 19.0004, 23.3897



16.8864, 19.0004, 11.4333

Complementary

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



15.4315, 19.0004, 30.4579



16.2948, 13.1060, 6.9818

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.



18.9795, 19.0004, 11.2819



15.4315, 19.0004, 30.4579



22.2319, 19.0004, 17.4402

Square

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



15.4315, 19.0004, 30.4579



21.2086, 19.0004, 29.6664



20.9697, 19.0004, 13.2690



15.2383, 19.0004, 13.7331

Rectangle

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



15.4315, 19.0004, 30.4579



18.5701, 19.0004, 34.5344



20.9697, 19.0004, 13.2690



17.5580, 19.0004, 11.1479

Sweetspot

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



15.4321, 19.0011, 30.4584



41.2755, 45.7462, 56.0890



14.3624, 22.7066, 12.0827



9.2282, 10.2879, 12.7842



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.4321, 19.0011, 30.4584



24.8890, 31.2577, 54.1561



11.2100, 10.5569, 29.0510



5.8546, 6.3432, 7.3855



9.7941, 12.2830, 25.7857



0.1417, 0.1940, 0.3229

Inverse Universe

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



18.0028, 11.8030, 22.0989



30.1882, 17.7701, 36.6210



20.2958, 21.1079, 8.3154



5.9801, 5.8871, 7.0011



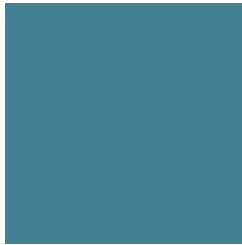
13.0707, 6.4333, 14.3851



0.1710, 0.0831, 0.2340

Previews

White Background



This preview shows how the XYZ color 15.4315, 19.0004, 30.4579 looks on a white 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

Black Background



This preview shows how the XYZ color 15.4315, 19.0004, 30.4579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

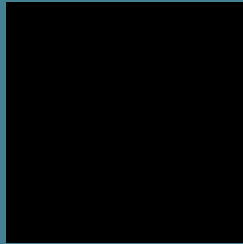
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.4315, 19.0004, 30.4579

Background



This preview shows how black text looks on a background with the XYZ color 15.4315, 19.0004, 30.4579.



This preview shows how white text looks on a background with the XYZ color 15.4315, 19.0004,

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

15.4315, 19.0004, 30.4579

Protanopia

18.5329, 18.8001, 27.4629

Deuteranopia

19.2394, 18.9087, 31.0695



Tritanopia

14.9703, 19.0122, 28.0800

Trichromacy



Original Color

15.4315, 19.0004, 30.4579

Protanomaly

17.0779, 18.7458, 28.7048

Deuteranomaly

17.4504, 18.7098, 30.7086

Tritanomaly

15.1873, 19.1067, 28.8741

Monochromacy



Original Color

15.4315, 19.0004, 30.4579

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.1224, 17.1611, 21.9174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4315, 19.0004, 30.4579 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(67, 129, 147)` looks like.

```
.text, #text, p{  
    color:rgb(67, 129, 147)  
}
```

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(67, 129, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 129, 147) }
```

Border

The CSS property to change the border of an element to XYZ 15.4315, 19.0004, 30.4579 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(67, 129, 147) }
```


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

```
.border{ border-color:rgb(67, 129, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 129, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 129, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 129, 147);  
box-shadow:4px 4px 4px 4px rgb(67, 129,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4315, 19.0004, 30.4579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 129, 147) }
```

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

```
.background{ background-color: rgb(67, 129,  
147) }
```

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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