

Converting Colors

XYZ(15.3947, 11.8654, 31.0752)

Have a look what the booklet for
XYZ(15.3947, 11.8654, 31.0752)
contains.

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Color

**XYZ(15.4428, 11.8983,
31.1884)**

Conversions

Conversions Part 1

Format	Color
Hex	705398
RGB	112, 83, 152
RGB Percent	44%, 33%, 60%
CMY	0.5608, 0.6745, 0.4039
CMYK	0.26, 0.45, 0.00, 0.40
HSL	265°, 29%, 46%
HSV	265°, 45%, 60%
XYZ	15.4428, 11.8983, 31.1884
YIQ	99.5370, -4.8650, 27.6070

Conversions

Conversions Part 2

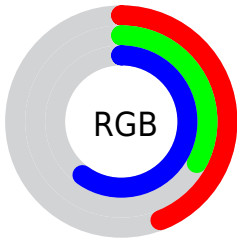
Format	Color
R_{YB}	112, 83, 152
Decimal	7361432
CIE _{Lab}	41.05, 26.91, -33.47
CIE _{LCh}	41, 42.947, 308.802
Yxy	11.8983, 0.2638, 0.2033
Android (android.graphics.Color)	4285551512 (0xFF705398)
YUV	99.5370, 25.8643, 10.9301
Hunter-Lab	34.4939, 19.5495, -29.4626

Details

The XYZ color **15.4428, 11.8983, 31.1884** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **20.9584, 27.2923, 12.3475**, and the grayscale version is **11.9332, 12.5547, 13.6721**.

A 20% lighter version of the original color is **35.1671, 29.2794, 62.8295**, and **4.9971, 3.2869, 12.6830** is the 20% darker color. If you saturate the color by 10%, you get **13.3380, 9.2722, 30.7927**, and if you desaturate by 10%, it is **17.9132, 15.0918, 31.6748**.

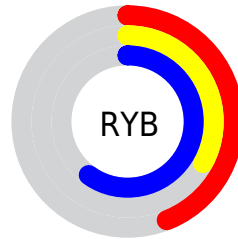
Distribution



Red (44%)

Green (33%)

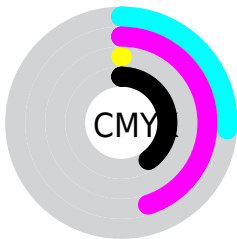
Blue (60%)



Red (44%)

Yellow (33%)

Blue (60%)

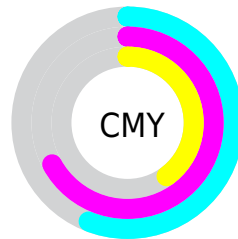


Cyan (26%)

Magenta (45%)

Yellow (0%)

Black (40%)



Cyan (56%)

Magenta (67%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4428, 11.8983, 31.1884 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 15.4428, 11.8983, 31.1884 by changing the saturation by 10% instead.

■ 15.4428, 11.8983,
31.1884

■ 15.4428, 11.8983,
31.1884

219.3666,
203.7308, 321.7834

■ 9.2191, 6.6745,
20.4827

■ 35.1934, 29.3097,
62.6196

■ 4.9426, 3.2594,
12.5588

■ 49.4511, 42.2661,
84.1822

■ 2.2480, 1.2686,
6.9983

■ 67.1174, 58.5688,
110.2008

■ 0.7679, 0.1167,
3.3826

■ 88.5577, 78.6023,
141.0940

■ 0.0000, 0.0000,
1.2932

■ 114.1375,
102.7508, 177.2803

■ 0.0000, 0.0000,
0.0562

144.2220,

■ 0.0000, 0.0000,

131.3988, 219.1783

0.0000

179.1765,
164.9307, 267.2065

■ 15.4428, 11.8983,
31.1884

■ 15.4428, 11.8983,
31.1884

■ 13.3380, 9.2722,
30.7927

■ 17.9132, 15.0918,
31.6748

■ 11.5775, 7.1768,
30.4810

■ 20.7661, 18.8835,
32.2563

■ 10.1396, 5.5732,
30.2473

■ 24.0192, 23.3037,
32.9380

■ 8.9991, 4.4162,
30.0840

■ 27.6881, 28.3799,
33.7245

■ 8.1234, 3.6459,
29.9815

■ 31.7880, 34.1382,
34.6198

■ 7.7743, 3.3531,
29.9434

■ 36.3332, 40.6031,
35.6282

■ 41.3370, 47.7981,
36.7532

■ 46.8125, 55.7454,
37.9986

■ 52.7721, 64.4663,
39.3678

Harmonies

Analogous

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



12.2401, 11.8983, 37.9989



15.4428, 11.8983, 31.1884



17.7812, 11.8983, 20.1104

Triad

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



15.4428, 11.8983, 31.1884



13.5895, 11.8983, 2.7009



6.4062, 11.8983, 15.7291

Complementary

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



15.4428, 11.8983, 31.1884



20.9584, 27.2923, 12.3475

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.



6.6356, 11.8983, 7.7373



15.4428, 11.8983, 31.1884



10.4264, 11.8983, 2.3810

Square

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



15.4428, 11.8983, 31.1884



16.5832, 11.8983, 4.9660



7.9877, 11.8983, 3.7205



7.2915, 11.8983, 26.7624

Rectangle

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



15.4428, 11.8983, 31.1884



18.3270, 11.8983, 13.3132



7.9877, 11.8983, 3.7205



6.3595, 11.8983, 12.6037

Sweetspot

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



15.4432, 11.8988, 31.1887



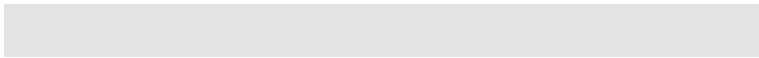
43.0848, 42.0788, 58.2849



16.3492, 18.3345, 32.3831



9.5145, 9.1825, 13.1884



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.



15.4432, 11.8988, 31.1887



23.6599, 16.5093, 54.3733



20.6596, 14.5879, 31.4328



6.1182, 6.1468, 7.7930



6.5524, 2.8290, 25.1084



0.1381, 0.0630, 0.3773

Inverse Universe

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



19.6177, 14.2925, 20.4642



32.1895, 21.4094, 32.0506



16.8858, 25.1928, 12.1569



6.3513, 6.2797, 7.2303



12.3541, 6.1959, 8.3895



0.2028, 0.0999, 0.2208

Previews

White Background



This preview shows how the XYZ color 15.4428, 11.8983, 31.1884 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

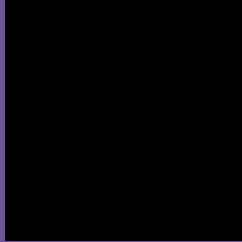
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4428, 11.8983, 31.1884

Background



This preview shows how black text looks on a background with the XYZ color 15.4428, 11.8983, 31.1884.



This preview shows how white text looks on a background with the XYZ color 15.4428, 11.8983,

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

15.4428, 11.8983, 31.1884

Protanopia

13.1573, 12.0940, 36.2912

Deuteranopia

12.2980, 12.0589, 30.1132



Tritanopia

11.9945, 11.8483, 14.2251

Trichromacy



Original Color

15.4428, 11.8983, 31.1884

Protanomaly

13.7454, 11.9167, 34.3766

Deuteranomaly

13.1699, 11.8347, 30.4444

Tritanomaly

12.9902, 11.7326, 19.3493

Monochromacy



Original Color

15.4428, 11.8983, 31.1884

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.0414, 12.2804, 19.1358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4428, 11.8983, 31.1884 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(112, 83, 152)` looks like.

```
.text, #text, p{  
    color:rgb(112, 83, 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(112, 83, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 83, 152) }
```

Border

The CSS property to change the border of an element to XYZ 15.4428, 11.8983, 31.1884 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(112, 83, 152) }
```


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

```
.border{ border-color:rgb(112, 83, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 83, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 83, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 83, 152);  
box-shadow:4px 4px 4px 4px rgb(112, 83,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4428, 11.8983, 31.1884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 83, 152) }
```

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

```
.background{ background-color: rgb(112, 83,  
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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