

Converting Colors

XYZ(15.9034, 15.0369, 33.3411)

Have a look what the booklet for
XYZ(15.9034, 15.0369, 33.3411)
contains.

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Color

**XYZ(15.8762, 14.9902,
33.5091)**

Conversions

Conversions Part 1

Format	Color
Hex	60699C
RGB	96, 105, 156
RGB Percent	38%, 41%, 61%
CMY	0.6235, 0.5882, 0.3882
CMYK	0.38, 0.33, 0.00, 0.39
HSL	231°, 24%, 49%
HSV	231°, 38%, 61%
XYZ	15.8762, 14.9902, 33.5091
YIQ	108.1230, -21.7350, 13.9530

Conversions

Conversions Part 2

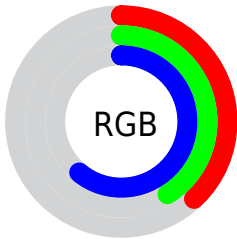
Format	Color
R _{YB}	96, 104, 156
Decimal	6318492
CIE Lab	45.62, 9.76, -28.79
CIE LCh	46, 30.396, 288.722
Yxy	14.9902, 0.2466, 0.2329
Android (android.graphics.Color)	4284508572 (0xFF60699C)
YUV	108.1230, 23.6034, -10.6319
Hunter-Lab	38.7172, 5.4399, -24.2125

Details

The XYZ color **15.8762, 14.9902, 33.5091** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.2559, 28.7806, 15.2384**, and the grayscale version is **14.2290, 14.9700, 16.3024**.

A 20% lighter version of the original color is **36.0408, 34.8696, 66.4590**, and **5.1385, 4.6064, 13.7150** is the 20% darker color. If you saturate the color by 10%, you get **13.1480, 11.7329, 33.0245**, and if you desaturate by 10%, it is **19.1418, 18.8377, 34.0799**.

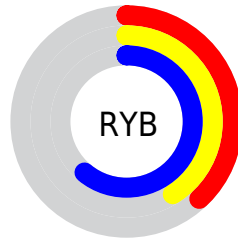
Distribution



Red (38%)

Green (41%)

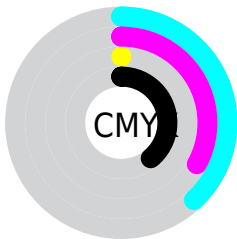
Blue (61%)



Red (38%)

Yellow (41%)

Blue (61%)

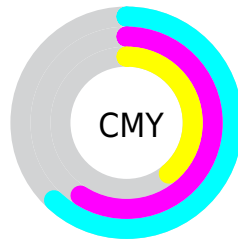


Cyan (38%)

Magenta (33%)

Yellow (0%)

Black (39%)



Cyan (62%)

Magenta (59%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8762, 14.9902, 33.5091 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 15.8762, 14.9902, 33.5091 by changing the saturation by 10% instead.

■ 15.8762, 14.9902,
33.5091

■ 15.8762, 14.9902,
33.5091

221.8949,
223.3069, 332.6397

■ 9.5269, 8.8125,
22.2424

■ 35.9423, 34.8360,
66.2947

■ 5.1463, 4.6191,
13.8351

■ 50.3899, 49.2729,
88.6507

■ 2.3690, 2.0256,
7.8686

■ 68.2675, 67.2316,
115.5402

■ 0.8296, 0.6223,
3.9244

■ 89.9406, 89.0966,
147.3818

■ 0.0000, 0.0000,
1.5840

115.7746,
115.2522, 184.5940

■ 0.0000, 0.0000,
0.2794

146.1347,

■ 0.0000, 0.0000,

146.0829, 227.5954

0.0000

181.3863,
181.9730, 276.8044

■ 15.8762, 14.9902,
33.5091

■ 15.8762, 14.9902,
33.5091

■ 13.1480, 11.7329,
33.0245

■ 19.1418, 18.8377,
34.0799

■ 10.9264, 9.0348,
32.6207

■ 22.9701, 23.3012,
34.7397

■ 9.1802, 6.8643,
32.2938

■ 27.3867, 28.4068,
35.4924

■ 7.8737, 5.1861,
32.0388

■ 32.4150, 34.1787,
36.3414

■ 6.9660, 3.9604,
31.8500

■ 38.0774, 40.6399,
37.2901

■ 6.3880, 3.1300,
31.7202

■ 44.3949, 47.8120,
38.3415

■ 6.3151, 3.0290,
31.7046

■ 51.3876, 55.7161,
39.4986

■ 59.0750, 64.3720,
40.7642

■ 67.4754, 73.7990,
42.1410

Harmonies

Analogous

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



13.3124, 14.9902, 34.2753



15.8762, 14.9902, 33.5091



18.2490, 14.9902, 27.4176

Triad

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



15.8762, 14.9902, 33.5091



17.7245, 14.9902, 7.8952



9.9689, 14.9902, 13.7326

Complementary

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



15.8762, 14.9902, 33.5091



26.2559, 28.7806, 15.2384

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.



10.8788, 14.9902, 8.7145



15.8762, 14.9902, 33.5091



15.2259, 14.9902, 6.0775

Square

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



15.8762, 14.9902, 33.5091



19.4007, 14.9902, 12.2255



12.7346, 14.9902, 6.3244



10.0990, 14.9902, 21.2440

Rectangle

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



15.8762, 14.9902, 33.5091



19.3091, 14.9902, 21.9515



12.7346, 14.9902, 6.3244



10.1585, 14.9902, 11.7476

Sweetspot

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



15.8767, 14.9908, 33.5095



46.5829, 47.9515, 63.9271



21.9793, 28.3707, 31.9218



10.0408, 10.3094, 14.0311



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.



15.8767, 14.9908, 33.5095



24.5865, 22.1590, 60.1080



17.5204, 14.5487, 33.3375



6.3611, 6.5879, 8.3430



5.2187, 2.5289, 26.1203



0.1133, 0.0852, 0.4737

Inverse Universe

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



20.4434, 16.4542, 15.4635



34.1480, 25.4850, 22.2659



23.9919, 29.7727, 15.5493



6.6716, 6.6616, 7.1218



11.4324, 5.8775, 1.2619



0.2145, 0.1091, 0.0757

Previews

White Background



This preview shows how the XYZ color 15.8762, 14.9902, 33.5091 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 15.8762, 14.9902, 33.5091 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

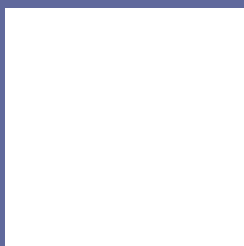
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8762, 14.9902, 33.5091

Background



This preview shows how black text looks on a background with the XYZ color 15.8762, 14.9902, 33.5091.



This preview shows how white text looks on a background with the XYZ color 15.8762, 14.9902,

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

15.8762, 14.9902, 33.5091

Protanopia

15.5542, 14.9665, 33.9673

Deuteranopia

15.3783, 15.0395, 33.5449



Tritanopia

13.1758, 14.9951, 20.2891

Trichromacy



Original Color

15.8762, 14.9902, 33.5091

Protanomaly

15.7540, 15.0695, 33.9767

Deuteranomaly

15.5684, 14.9837, 33.5241

Tritanomaly

13.9882, 14.8322, 24.6799

Monochromacy



Original Color

15.8762, 14.9902, 33.5091

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.6683, 14.9391, 21.5125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8762, 14.9902, 33.5091 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(96, 105, 156) looks like.

```
.text, #text, p{  
    color:rgb(96, 105, 156)  
}
```

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(96, 105, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 105, 156) }
```

Border

The CSS property to change the border of an element to XYZ 15.8762, 14.9902, 33.5091 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(96, 105, 156) }
```


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

```
.border{ border-color:rgb(96, 105, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 105, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 105, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 105, 156);  
box-shadow:4px 4px 4px 4px rgb(96, 105,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8762, 14.9902, 33.5091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 105, 156) }
```

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

```
.background{ background-color: rgb(96, 105,  
156) }
```

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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