

Converting Colors

XYZ(15.2112, 23.5927, 2.1484)

Have a look what the booklet for
XYZ(15.2112, 23.5927, 2.1484)
contains.

XYZ(15.5197, 23.7212, 3.7607)	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(15.5197, 23.7212,
3.7607)**

Conversions

Conversions Part 1

Format	Color
Hex	619400
RGB	97, 148, 0
RGB Percent	38%, 58%, 0%
CMY	0.6196, 0.4196, 1.0000
CMYK	0.34, 0.00, 1.00, 0.42
HSL	81°, 100%, 29%
HSV	81°, 100%, 58%
XYZ	15.5197, 23.7212, 3.7607
YIQ	115.8790, 17.1120, -56.8400

Conversions

Conversions Part 2

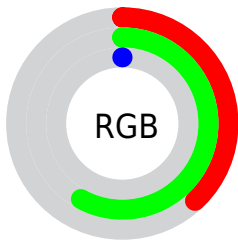
Format	Color
RYB	0, 148, 51
Decimal	6394880
CIELab	55.81, -36.23, 58.67
CIELCh	56, 68.957, 121.694
Yxy	23.7212, 0.3609, 0.5516
Android (android.graphics.Color)	4284584960 (0xFF619400)
YUV	115.8790, -57.1283, -16.5569
Hunter-Lab	48.7044, -28.3536, 29.5150

Details

The XYZ color **15.5197, 23.7212, 3.7607** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.7117, 2.8427, 28.2133**, and the grayscale version is **16.7302, 17.6015, 19.1680**.

A 20% lighter version of the original color is **35.1749, 49.3587, 13.4676**, and **5.2295, 9.0416, 1.4696** is the 20% darker color. If you saturate the color by 10%, you get **15.5197, 23.7220, 3.7608**, and if you desaturate by 10%, it is **16.1662, 24.0455, 4.2342**.

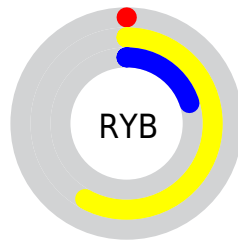
Distribution



Red (38%)

Green (58%)

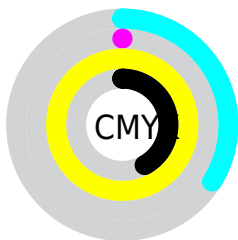
Blue (0%)



Red (0%)

Yellow (58%)

Blue (20%)

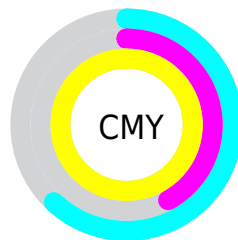


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (62%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5197, 23.7212, 3.7607 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 15.5197, 23.7212, 3.7607 by changing the saturation by 10% instead.

■ 15.5197, 23.7212,
3.7607

■ 15.5197, 23.7212,
3.7607

219.8172,
271.4079, 145.5272

■ 9.2736, 15.1269,
1.4950

■ 35.3266, 49.5749,
13.4540

■ 4.9786, 8.9085,
0.2142

■ 49.6181, 67.6030,
21.7187

■ 2.2693, 4.6816,
0.0000

■ 67.3221, 89.5446,
32.8201

■ 0.7789, 2.0617,
0.0000

■ 88.8039, 115.7841,
47.1768


■ 0.0000, 0.6429,
0.0000


■ 114.4290,
146.7057, 65.2073


■ 0.0000, 0.0000,
0.0000


■ 144.5627,


182.6940, 87.3302


 179.5703,
224.1332, 113.9640


 15.5197, 23.7212,
3.7607


 15.5197, 23.7212,
3.7607


 15.5197, 23.7220,
3.7608

 16.1662, 24.0455,
4.2342

 16.9075, 24.4109,
5.0232

 17.7735, 24.8304,
6.2798

 18.7758, 25.3087,
8.0623

 19.9245, 25.8499,
10.4205

■ 21.2285, 26.4576,
13.3984

■ 22.6960, 27.1351,
17.0358

■ 24.3343, 27.8855,
21.3691

■ 26.1505, 28.7116,
26.4321

Harmonies

Analogous

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



22.1038, 23.7212, 2.2495



15.5197, 23.7212, 3.7607



11.7111, 23.7212, 10.2929

Triad

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



15.5197, 23.7212, 3.7607



16.1290, 23.7212, 85.5038



41.2124, 23.7212, 24.5735

Complementary

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



15.5197, 23.7212, 3.7607



6.7117, 2.8427, 28.2133

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.



38.5863, 23.7212, 52.1735



15.5197, 23.7212, 3.7607



22.9947, 23.7212, 97.4405

Square

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



15.5197, 23.7212, 3.7607



12.0013, 23.7212, 55.7846



31.4263, 23.7212, 82.7013



37.9525, 23.7212, 9.1421

Rectangle

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



15.5197, 23.7212, 3.7607



10.6807, 23.7212, 20.0820



31.4263, 23.7212, 82.7013



40.9863, 23.7212, 32.5780

Sweetspot

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



15.5202, 23.7222, 3.7612



39.8783, 47.8000, 29.6331



13.3261, 8.5216, 0.9428



8.8706, 10.8045, 6.1777



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.



15.5202, 23.7222, 3.7612



27.1922, 41.7562, 6.6266



10.9835, 21.3835, 3.5489



6.0733, 6.6456, 6.2031



13.2856, 20.2769, 3.2136



0.1944, 0.2646, 0.0408

Inverse Universe

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



6.7117, 2.8427, 28.2133



11.6724, 4.9278, 49.7705



13.5625, 6.3744, 28.5339



5.6767, 5.7243, 7.2754



5.7592, 2.4416, 24.0988



0.0999, 0.0450, 0.2963

Previews

White Background



This preview shows how the XYZ color 15.5197, 23.7212, 3.7607 looks on a white background.

Color Contrast Check

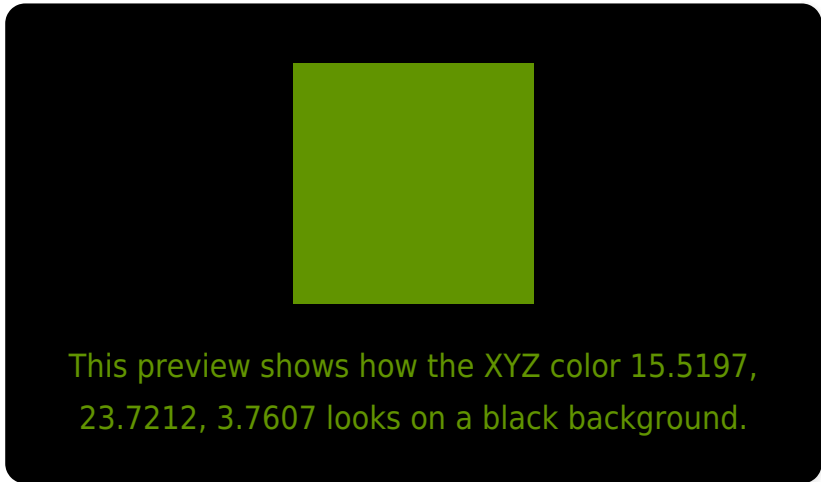
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 15.5197, 23.7212, 3.7607

Background



This preview shows how black text looks on a background with the XYZ color 15.5197, 23.7212, 3.7607.



This preview shows how white text looks on a background with the XYZ color 15.5197, 23.7212,

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

15.5197, 23.7212, 3.7607

Protanopia

21.1028, 23.5342, 3.4303

Deuteranopia

23.8311, 23.3352, 4.4105



Tritanopia

21.1954, 23.7916, 31.9089

Trichromacy



Original Color

15.5197, 23.7212, 3.7607

Protanomaly

18.5927, 23.2905, 3.5156

Deuteranomaly

19.7896, 22.8447, 3.9387

Tritanomaly

17.8020, 23.2980, 14.3852

Monochromacy



Original Color

15.5197, 23.7212, 3.7607

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.2619, 19.1840, 9.3771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5197, 23.7212, 3.7607 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(97, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(97, 148, 0)  
}
```

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(97, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.5197, 23.7212, 3.7607 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(97, 148, 0) }
```


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

```
.border{ border-color:rgb(97, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(97, 148, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.5197, 23.7212, 3.7607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 148, 0) }
```

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

```
.background{ background-color: rgb(97, 148,  
0) }
```

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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