

Converting Colors

XYZ(14.7666, 22.4477, 1.7155)

Have a look what the booklet for
XYZ(14.7666, 22.4477, 1.7155)
contains.

XYZ(15.1188, 22.5992, 3.5652)	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(15.1188, 22.5992,
3.5652)**

Conversions

Conversions Part 1

Format	Color
Hex	639000
RGB	99, 144, 0
RGB Percent	39%, 56%, 0%
CMY	0.6118, 0.4353, 1.0000
CMYK	0.31, 0.00, 1.00, 0.44
HSL	79°, 100%, 28%
HSV	79°, 100%, 56%
XYZ	15.1188, 22.5992, 3.5652
YIQ	114.1290, 19.4040, -54.3240

Conversions

Conversions Part 2

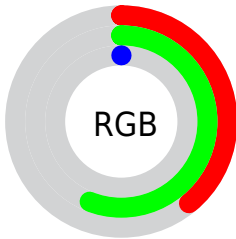
Format	Color
RYB	0, 144, 45
Decimal	6524928
CIELab	54.66, -33.64, 57.84
CIELCh	55, 66.912, 120.186
Yxy	22.5992, 0.3662, 0.5474
Android (android.graphics.Color)	4284715008 (0xFF639000)
YUV	114.1290, -56.2656, -13.2681
Hunter-Lab	47.5386, -26.4239, 28.8305

Details

The XYZ color **15.1188, 22.5992, 3.5652** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.1172, 2.5722, 26.5610**, and the grayscale version is **16.1935, 17.0368, 18.5531**.

A 20% lighter version of the original color is **34.5947, 47.6879, 13.0116**, and **4.9965, 8.3866, 1.3554** is the 20% darker color. If you saturate the color by 10%, you get **15.1189, 22.6000, 3.5654**, and if you desaturate by 10%, it is **15.7069, 22.8936, 4.0213**.

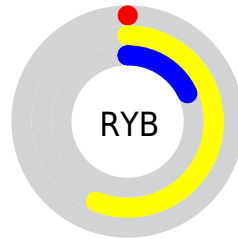
Distribution



Red (39%)

Green (56%)

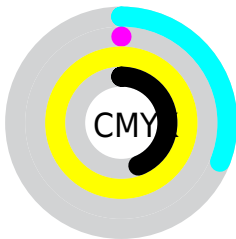
Blue (0%)



Red (0%)

Yellow (56%)

Blue (18%)

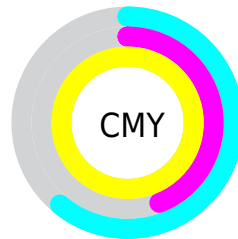


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (61%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1188, 22.5992, 3.5652 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 15.1188, 22.5992, 3.5652 by changing the saturation by 10% instead.

■ 15.1188, 22.5992,
3.5652

■ 15.1188, 22.5992,
3.5652

217.4583,
265.6597, 143.2625

■ 8.9897, 14.2978,
1.3900

■ 34.6314, 47.7344,
12.9939

■ 4.7915, 8.3281,
0.1339

■ 48.7456, 65.3370,
21.0844

■ 2.1589, 4.3056,
0.0000

■ 66.2521, 86.8088,
31.9838

■ 0.7210, 1.8459,
0.0000

■ 87.5165, 112.5342,
46.1106


■ 0.0000, 0.5156,
0.0000


■ 112.9039,
142.8976, 63.8833


■ 0.0000, 0.0000,
0.0000


■ 142.7798,


178.2834, 85.7205


 177.5094,
219.0759, 112.0407


 15.1188, 22.5992,
3.5652


 15.1188, 22.5992,
3.5652


 15.1189, 22.6000,
3.5654

 15.7069, 22.8936,
4.0213

 16.3776, 23.2235,
4.7695

 17.1598, 23.6013,
5.9569

 18.0640, 24.0312,
7.6377

 19.0997, 24.5170,
9.8585

■ 20.2749, 25.0620,
12.6602

■ 21.5970, 25.6693,
16.0801

■ 23.0730, 26.3416,
20.1522

■ 24.7093, 27.0815,
24.9081

Harmonies

Analogous

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



21.4340, 22.5992, 2.2535



15.1188, 22.5992, 3.5652



11.3890, 22.5992, 9.4516

Triad

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



15.1188, 22.5992, 3.5652



15.1818, 22.5992, 79.2144



38.9755, 22.5992, 24.4755

Complementary

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



15.1188, 22.5992, 3.5652



6.1172, 2.5722, 26.5610

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.



36.2539, 22.5992, 50.7721



15.1188, 22.5992, 3.5652



21.5258, 22.5992, 91.4998

Square

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



15.1188, 22.5992, 3.5652



11.4190, 22.5992, 51.1419



29.4136, 22.5992, 78.9282



36.1888, 22.5992, 9.3318

Rectangle

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



15.1188, 22.5992, 3.5652



10.3317, 22.5992, 18.3222



29.4136, 22.5992, 78.9282



38.6682, 22.5992, 32.1853

Sweetspot

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



15.1193, 22.6002, 3.5657



37.9373, 45.2024, 27.9520



12.3737, 7.6725, 0.8291



8.4921, 10.2707, 5.8632



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.1193, 22.6002, 3.5657



26.4880, 39.7679, 6.2799



10.4752, 20.2060, 3.3483



5.6778, 6.2020, 5.7872



13.1900, 19.6923, 3.1058



0.1489, 0.2000, 0.0308

Inverse Universe

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



6.1172, 2.5722, 26.5610



10.6343, 4.4565, 46.8377



12.1316, 5.6727, 26.8425



5.2783, 5.3317, 6.7797



5.3485, 2.2508, 23.1296



0.0718, 0.0322, 0.2221

Previews

White Background



This preview shows how the XYZ color 15.1188, 22.5992, 3.5652 looks on a white background.

Color Contrast Check

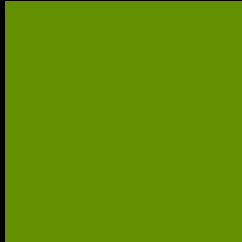
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1188, 22.5992, 3.5652 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 15.1188, 22.5992, 3.5652

Background



This preview shows how black text looks on a background with the XYZ color 15.1188, 22.5992, 3.5652.



This preview shows how white text looks on a background with the XYZ color 15.1188, 22.5992,

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

15.1188, 22.5992, 3.5652

Protanopia

20.1489, 22.4356, 3.2686

Deuteranopia

22.7153, 22.3869, 4.1608



Tritanopia

20.4460, 22.6052, 30.0737

Trichromacy



Original Color

15.1188, 22.5992, 3.5652

Protanomaly

18.0101, 22.3541, 3.3655

Deuteranomaly

19.0327, 21.8485, 3.7444

Tritanomaly

17.2046, 22.1378, 13.4915

Monochromacy



Original Color

15.1188, 22.5992, 3.5652

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.8429, 18.3995, 9.0725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1188, 22.5992, 3.5652 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(99, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(99, 144, 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(99, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 144, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.1188, 22.5992, 3.5652 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(99, 144, 0) }
```


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

```
.border{ border-color:rgb(99, 144, 0) }
```

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

Here you see how a box with a 4 pixel rgb(99, 144, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(99, 144, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.1188, 22.5992, 3.5652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 144, 0) }
```

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

```
.background{ background-color: rgb(99, 144,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor