

Converting Colors

XYZ(15.0777, 22.5419, 1.0253)

Have a look what the booklet for
XYZ(15.0777, 22.5419, 1.0253)
contains.

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Color

**XYZ(15.5668, 22.8301,
3.5862)**

Conversions

Conversions Part 1

Format	Color
Hex	679000
RGB	103, 144, 0
RGB Percent	40%, 56%, 0%
CMY	0.5961, 0.4353, 1.0000
CMYK	0.28, 0.00, 1.00, 0.44
HSL	77°, 100%, 28%
HSV	77°, 100%, 56%
XYZ	15.5668, 22.8301, 3.5862
YIQ	115.3250, 21.7880, -53.4760

Conversions

Conversions Part 2

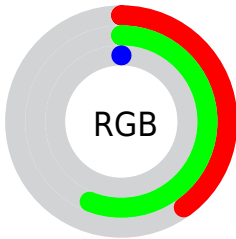
Format	Color
RYB	0, 144, 41
Decimal	6787072
CIELab	54.90, -32.03, 58.13
CIELCh	55, 66.366, 118.854
Yxy	22.8301, 0.3708, 0.5438
Android (android.graphics.Color)	4284977152 (0xFF679000)
YUV	115.3250, -56.8552, -10.8090
Hunter-Lab	47.7809, -25.4619, 28.9966

Details

The XYZ color **15.5668, 22.8301, 3.5862** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.9495, 2.4857, 26.5531**, and the grayscale version is **16.5583, 17.4207, 18.9711**.

A 20% lighter version of the original color is **35.3688, 48.0869, 13.0478**, and **5.2297, 8.5068, 1.3663** is the 20% darker color. If you saturate the color by 10%, you get **15.5669, 22.8309, 3.5863**, and if you desaturate by 10%, it is **16.1313, 23.1124, 4.0412**.

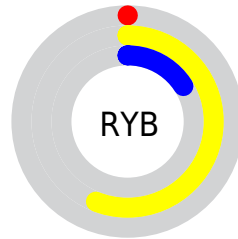
Distribution



Red (40%)

Green (56%)

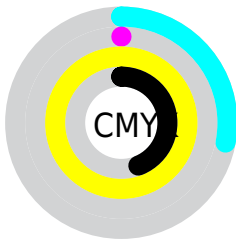
Blue (0%)



Red (0%)

Yellow (56%)

Blue (16%)

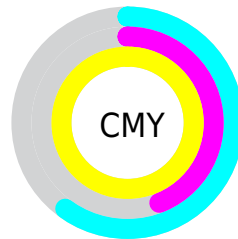


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (60%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5668, 22.8301, 3.5862 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 15.5668, 22.8301, 3.5862 by changing the saturation by 10% instead.

■ 15.5668, 22.8301,
3.5862

■ 15.5668, 22.8301,
3.5862

220.0927,
266.8512, 143.5085

■ 9.3070, 14.4681,
1.4012

■ 35.4080, 48.1142,
13.0436

■ 5.0007, 8.4470,
0.1427

■ 49.7202, 65.8051,
21.1530

■ 2.2824, 4.3823,
0.0000

■ 67.4473, 87.3744,
32.0744

■ 0.7857, 1.8896,
0.0000

■ 88.9545, 113.2065,
46.2262


■ 0.0000, 0.5421,
0.0000


■ 114.6074,
143.6859, 64.0269

■ 0.0000, 0.0000,
0.0000


■ 144.7711,


179.1968, 85.8952


 179.8111,
220.1238, 112.2496


 15.5668, 22.8301,
3.5862


 15.5668, 22.8301,
3.5862


 15.5669, 22.8309,
3.5863

 16.1313, 23.1124,
4.0412

 16.7741, 23.4279,
4.7882

 17.5237, 23.7889,
5.9741

 18.3908, 24.1996,
7.6532

 19.3844, 24.6638,
9.8720

■ 20.5128, 25.1846,
12.6717

■ 21.7832, 25.7652,
16.0892

■ 23.2024, 26.4082,
20.1587

■ 24.7766, 27.1162,
24.9117

Harmonies

Analogous

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



21.9832, 22.8301, 2.3753



15.5668, 22.8301, 3.5862



11.7092, 22.8301, 9.2468

Triad

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



15.5668, 22.8301, 3.5862



15.1778, 22.8301, 78.1070



39.1253, 22.8301, 25.6764

Complementary

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



15.5668, 22.8301, 3.5862



5.9495, 2.4857, 26.5531

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.



36.1873, 22.8301, 52.2306



15.5668, 22.8301, 3.5862



21.4179, 22.8301, 91.2890

Square

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



15.5668, 22.8301, 3.5862



11.5229, 22.8301, 49.9642



29.2619, 22.8301, 79.8565



36.5863, 22.8301, 9.9911

Rectangle

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



15.5668, 22.8301, 3.5862



10.5741, 22.8301, 17.8242



29.2619, 22.8301, 79.8565



38.7357, 22.8301, 33.5349

Sweetspot

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



15.5673, 22.8311, 3.5867



38.2714, 45.3746, 27.9676



12.2886, 7.5023, 0.8007



8.5768, 10.3144, 5.8672



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.



15.5673, 22.8311, 3.5867



27.2857, 40.1791, 6.3172



10.5452, 20.2421, 3.3517



5.6919, 6.2093, 5.7879



13.5790, 19.8928, 3.1240



0.1515, 0.2014, 0.0309

Inverse Universe

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



5.9495, 2.4857, 26.5531



10.3475, 4.3087, 46.8243



11.8194, 5.5118, 26.8278



5.2649, 5.3247, 6.7791



5.2011, 2.1749, 23.1227



0.0692, 0.0308, 0.2220

Previews

White Background



This preview shows how the XYZ color 15.5668, 22.8301, 3.5862 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 15.5668, 22.8301, 3.5862 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 15.5668, 22.8301, 3.5862

Background



This preview shows how black text looks on a background with the XYZ color 15.5668, 22.8301, 3.5862.



This preview shows how white text looks on a background with the XYZ color 15.5668, 22.8301,

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

15.5668, 22.8301, 3.5862

Protanopia

20.3290, 22.5285, 3.2770

Deuteranopia

22.9225, 22.4938, 4.1705



Tritanopia

20.9721, 22.8764, 30.0983

Trichromacy



Original Color

15.5668, 22.8301, 3.5862

Protanomaly

18.3199, 22.5139, 3.3800

Deuteranomaly

19.3728, 22.0239, 3.7603

Tritanomaly

17.7023, 22.3944, 13.5148

Monochromacy



Original Color

15.5668, 22.8301, 3.5862

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.2190, 18.7823, 9.1265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5668, 22.8301, 3.5862 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(103, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 144, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.5668, 22.8301, 3.5862 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(103, 144, 0) }
```


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

```
.border{ border-color:rgb(103, 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(103, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(103, 144,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5668, 22.8301, 3.5862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 144, 0) }
```

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

```
.background{ background-color: rgb(103,  
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](#).

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