

Converting Colors

XYZ(16.8632, 11.2441, 1.2813)

Have a look what the booklet for
XYZ(16.8632, 11.2441, 1.2813)
contains.

XYZ(16.8269, 11.2318, 1.2811)	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(16.8269, 11.2318,
1.2811)**

Conversions

Conversions Part 1

Format	Color
Hex	A33E00
RGB	163, 62, 0
RGB Percent	64%, 24%, 0%
CMY	0.3608, 0.7568, 1.0000
CMYK	0.00, 0.62, 1.00, 0.36
HSL	23°, 100%, 32%
HSV	23°, 100%, 64%
XYZ	16.8269, 11.2318, 1.2811
YIQ	85.1310, 80.0980, 2.1300

Conversions

Conversions Part 2

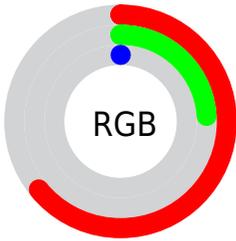
Format	Color
R_{YB}	163, 100, 0
Decimal	10698240
CIE _{Lab}	39.97, 39.51, 51.01
CIE _{LCh}	40, 64.521, 52.238
Yxy	11.2318, 0.5735, 0.3828
Android (android.graphics.Color)	4288888320 (0xFFA33E00)
YUV	85.1310, -41.9696, 68.2911
Hunter-Lab	33.5139, 30.9733, 21.1933

Details

The XYZ color **16.8269, 11.2318, 1.2811** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.2641, 11.9509, 36.3631**, and the grayscale version is **8.7362, 9.1911, 10.0091**.

A 20% lighter version of the original color is **37.6223, 28.0841, 6.9279**, and **5.6586, 3.0138, 0.2835** is the 20% darker color. If you saturate the color by 10%, you get **16.8270, 11.2322, 1.2812**, and if you desaturate by 10%, it is **17.5242, 12.4733, 1.9861**.

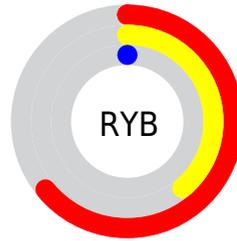
Distribution



Red (64%)

Green (24%)

Blue (0%)



Red (64%)

Yellow (39%)

Blue (0%)

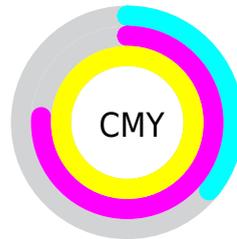


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (76%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8269, 11.2318, 1.2811 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 16.8269, 11.2318, 1.2811 by changing the saturation by 10% instead.

■ 16.8269, 11.2318,
1.2811

■ 16.8269, 11.2318,
1.2811

■ 227.3486,
199.2510, 109.9665

■ 10.2057, 6.2230,
0.0462

■ 37.5739, 28.0880,
6.9611

■ 5.5989, 2.9811,
0.0000

■ 52.4304, 40.7042,
12.5038

■ 2.6411, 1.1219,
0.0000

■ 70.7627, 56.6249,
20.4064

■ 0.9669, 0.0000,
0.0000

■ 92.9361, 76.2346,
31.0874

■ 0.0000, 0.0000,
0.0000

■ 119.3161, 99.9177,
44.9654

■ 150.2679,

128.0585, 62.4589

 186.1570,
161.0415, 83.9864

 16.8269, 11.2318,
1.2811

 16.8269, 11.2318,
1.2811

 16.8270, 11.2322,
1.2812

 17.5242, 12.4733,
1.9861

 18.4059, 13.9597,
3.1343

 19.5101, 15.7147,
4.8999

 20.8554, 17.7529,
7.3594

 22.4582, 20.0880,
10.5775

■ 24.3333, 22.7323,
14.6118

■ 26.4942, 25.6975,
19.5140

■ 28.9533, 28.9947,
25.3316

■ 31.7225, 32.6341,
32.1086

Harmonies

Analogous

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



20.7287, 11.2318, 5.0966



16.8269, 11.2318, 1.2811



11.8746, 11.2318, 0.3482

Triad

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



16.8269, 11.2318, 1.2811



4.2388, 11.2318, 9.2066



14.2564, 11.2318, 51.8883

Complementary

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



16.8269, 11.2318, 1.2811



11.2641, 11.9509, 36.3631

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.



9.5599, 11.2318, 56.1954



16.8269, 11.2318, 1.2811



4.5478, 11.2318, 24.0611

Square

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



16.8269, 11.2318, 1.2811



5.2347, 11.2318, 2.5186



6.2423, 11.2318, 43.6807



18.9798, 11.2318, 34.2425

Rectangle

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



16.8269, 11.2318, 1.2811



8.9608, 11.2318, 0.4094



6.2423, 11.2318, 43.6807



12.5961, 11.2318, 55.2808

Sweetspot

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



16.8271, 11.2324, 1.2813



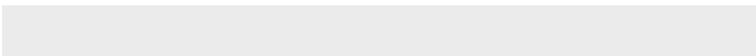
47.2194, 45.7107, 34.4157



17.5641, 8.7705, 13.6608



10.2449, 9.7748, 6.9031



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



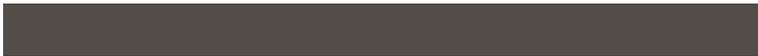
16.8271, 11.2324, 1.2813



29.9568, 19.7576, 2.2347



24.6684, 26.9149, 3.8950



7.2843, 7.5070, 7.4452



13.1189, 8.8117, 1.0094



0.3204, 0.2746, 0.0361

Inverse Universe

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



11.2641, 11.9509, 36.3631



19.9745, 21.0057, 65.0579



6.8927, 3.2081, 34.9060



7.0487, 7.5564, 8.9901



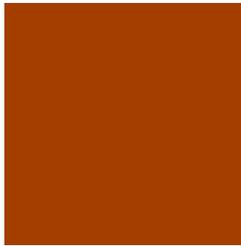
8.7990, 9.3774, 28.2761



0.2283, 0.2839, 0.6086

Previews

White Background



This preview shows how the XYZ color 16.8269, 11.2318, 1.2811 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

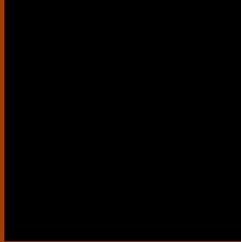
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

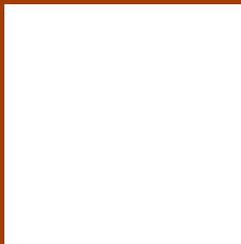
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8269, 11.2318, 1.2811

Background



This preview shows how black text looks on a background with the XYZ color 16.8269, 11.2318, 1.2811.



This preview shows how white text looks on a background with the XYZ color 16.8269, 11.2318,

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

16.8269, 11.2318, 1.2811

Protanopia

10.2491, 11.3476, 2.1403

Deuteranopia

11.4019, 11.3054, 1.5812



Tritanopia

17.6652, 11.2555, 5.6564

Trichromacy



Original Color

16.8269, 11.2318, 1.2811

Protanomaly

11.9004, 10.7205, 1.7292

Deuteranomaly

13.0220, 10.9716, 1.4314

Tritanomaly

17.2400, 11.1669, 3.1662

Monochromacy



Original Color

16.8269, 11.2318, 1.2811

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.1298, 9.0848, 4.7097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8269, 11.2318, 1.2811 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(163, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 62, 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(163, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 62, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.8269, 11.2318, 1.2811 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(163, 62, 0) }
```

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

```
.border{ border-color:rgb(163, 62, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 62, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 62, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 62, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8269, 11.2318, 1.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 62, 0) }
```

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

```
.background{ background-color: rgb(163, 62,  
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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