

Converting Colors

XYZ(16.5690, 11.0189, 1.2536)

Have a look what the booklet for
XYZ(16.5690, 11.0189, 1.2536)
contains.

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Color

**XYZ(16.5690, 11.0189,
1.2536)**

Conversions

Conversions Part 1

Format	Color
Hex	A23D00
RGB	162, 61, 0
RGB Percent	64%, 24%, 0%
CMY	0.3647, 0.7608, 1.0000
CMYK	0.00, 0.62, 1.00, 0.36
HSL	23°, 100%, 32%
HSV	23°, 100%, 64%
XYZ	16.5690, 11.0189, 1.2536
YIQ	84.2450, 79.7770, 2.4410

Conversions

Conversions Part 2

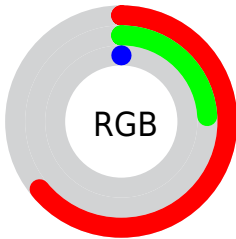
Format	Color
R _Y B	162, 98, 0
Decimal	10632448
CIE Lab	39.61, 39.60, 50.72
CIE LCh	40, 64.352, 52.017
Yxy	11.0189, 0.5745, 0.3821
Android (android.graphics.Color)	4288822528 (0xFFA23D00)
YUV	84.2450, -41.5328, 68.1911
Hunter-Lab	33.1947, 31.0067, 20.9972

Details

The XYZ color **16.5690, 11.0189, 1.2536** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.1747, 11.9150, 35.8928**, and the grayscale version is **8.5498, 8.9951, 9.7957**.

A 20% lighter version of the original color is **37.2005, 27.7020, 6.8764**, and **5.5229, 2.9116, 0.2709** is the 20% darker color. If you saturate the color by 10%, you get **16.5691, 11.0193, 1.2537**, and if you desaturate by 10%, it is **17.2552, 12.2393, 1.9512**.

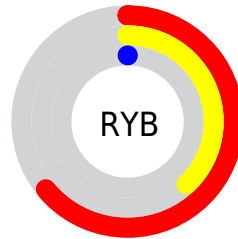
Distribution



Red (64%)

Green (24%)

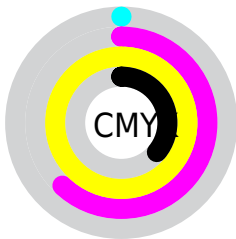
Blue (0%)



Red (64%)

Yellow (38%)

Blue (0%)

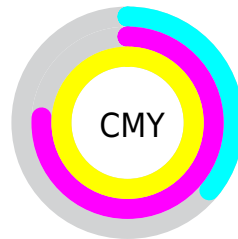


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5690, 11.0189, 1.2536 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 16.5690, 11.0189, 1.2536 by changing the saturation by 10% instead.

 16.5690, 11.0189,
1.2536


 16.5690, 11.0189,
1.2536


 225.8812,
197.7972, 109.4284


 10.0211, 6.0796,
0.0233


 37.1328, 27.6951,
6.8758


 5.4753, 2.8935,
0.0000

 51.8793, 40.2008,
12.3777


 2.5663, 1.0764,
0.0000

 70.0894, 55.9973,
20.2315

 0.9288, 0.0000,
0.0000

 92.1285, 75.4691,
30.8558


 0.0000, 0.0000,
0.0000


 118.3619, 99.0006,
44.6691


 149.1549,


126.9762, 62.0899


 184.8729,
159.7803, 83.5368


 16.5690, 11.0189,
1.2536


 16.5690, 11.0189,
1.2536


 16.5691, 11.0193,
1.2537

 17.2552, 12.2393,
1.9512

 18.1241, 13.7033,
3.0851

 19.2134, 15.4342,
4.8284

 20.5416, 17.4468,
7.2560

 22.1250, 19.7546,
10.4320

■ 23.9782, 22.3700,
14.4129

■ 26.1145, 25.3047,
19.2497

■ 28.5463, 28.5695,
24.9893

■ 31.2853, 32.1750,
31.6750

Harmonies

Analogous

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



20.4005, 11.0189, 5.0291



16.5690, 11.0189, 1.2536



11.6887, 11.0189, 0.3194

Triad

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



16.5690, 11.0189, 1.2536



4.1439, 11.0189, 8.9460



13.9642, 11.0189, 51.2171

Complementary

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



16.5690, 11.0189, 1.2536



11.1747, 11.9150, 35.8928

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.



9.3449, 11.0189, 55.3434



16.5690, 11.0189, 1.2536



4.4381, 11.0189, 23.5236

Square

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



16.5690, 11.0189, 1.2536



5.1323, 11.0189, 2.4262



6.0925, 11.0189, 42.8866



18.6275, 11.0189, 33.8503

Rectangle

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



16.5690, 11.0189, 1.2536



8.8132, 11.0189, 0.3744



6.0925, 11.0189, 42.8866



12.3294, 11.0189, 54.5290

Sweetspot

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



16.5692, 11.0195, 1.2538



47.1732, 45.6182, 34.4002



17.3283, 8.6526, 13.4839



10.2336, 9.7522, 6.8993



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.



16.5692, 11.0195, 1.2538



29.8975, 19.6390, 2.2149



24.3367, 26.5544, 3.8429



7.2822, 7.5027, 7.4444



13.0925, 8.7589, 1.0006



0.3196, 0.2731, 0.0359

Inverse Universe

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



11.1747, 11.9150, 35.8928



20.0837, 21.2241, 65.0943



6.8009, 3.1674, 34.4349



7.0509, 7.5608, 8.9908



8.8461, 9.4716, 28.2917



0.2291, 0.2855, 0.6089

Previews

White Background



This preview shows how the XYZ color 16.5690, 11.0189, 1.2536 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 16.5690, 11.0189, 1.2536 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 16.5690, 11.0189, 1.2536

Background



This preview shows how black text looks on a background with the XYZ color 16.5690, 11.0189, 1.2536.



This preview shows how white text looks on a background with the XYZ color 16.5690, 11.0189,

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

16.5690, 11.0189, 1.2536

Protanopia

10.1296, 11.2860, 2.1347

Deuteranopia

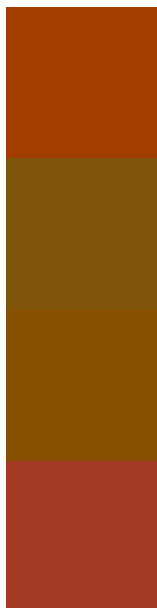
11.2639, 11.2343, 1.5748



Tritanopia

17.3830, 11.0390, 5.4895

Trichromacy



Original Color

16.5690, 11.0189, 1.2536

Protanomaly

11.7522, 10.6440, 1.7223

Deuteranomaly

12.7877, 10.7429, 1.3996

Tritanomaly

16.9672, 10.9526, 3.0535

Monochromacy



Original Color

16.5690, 11.0189, 1.2536

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.9091, 8.8707, 4.5581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5690, 11.0189, 1.2536 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(162, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 61, 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(162, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 61, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.5690, 11.0189, 1.2536 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(162, 61, 0) }
```


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

```
.border{ border-color:rgb(162, 61, 0) }
```

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

Here you see how a box with a 4 pixel rgb(162, 61, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5690, 11.0189, 1.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 61, 0) }
```

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

```
.background{ background-color: rgb(162, 61,  
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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