

Converting Colors

XYZ(16.9668, 11.1795, 3.3433)

Have a look what the booklet for
XYZ(16.9668, 11.1795, 3.3433)
contains.

XYZ(16.9693, 11.1790, 3.3612)	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(16.9693, 11.1790,
3.3612)**

Conversions

Conversions Part 1

Format	Color
Hex	A23D29
RGB	162, 61, 41
RGB Percent	64%, 24%, 16%
CMY	0.3647, 0.7608, 0.8392
CMYK	0.00, 0.62, 0.75, 0.36
HSL	10°, 60%, 40%
HSV	10°, 75%, 64%
XYZ	16.9693, 11.1790, 3.3612
YIQ	88.9190, 66.6160, 15.1920

Conversions

Conversions Part 2

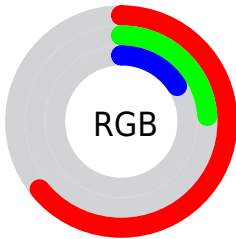
Format	Color
RYB	162, 65, 41
Decimal	10632489
CIELab	39.88, 40.68, 33.61
CIElCh	40, 52.766, 39.560
Yxy	11.1790, 0.5385, 0.3548
Android (android.graphics.Color)	4288822569 (0xFFA23D29)
YUV	88.9190, -23.6241, 64.0920
Hunter-Lab	33.4350, 32.0830, 17.4441

Details

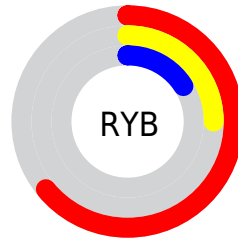
The XYZ color **16.9693, 11.1790, 3.3612** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.1081, 22.4242, 37.6088**, and the grayscale version is **9.5184, 10.0141, 10.9053**.

A 20% lighter version of the original color is **37.7496, 28.0280, 12.4371**, and **5.7306, 2.9865, 0.2744** is the 20% darker color. If you saturate the color by 10%, you get **16.1095, 9.8227, 1.9554**, and if you desaturate by 10%, it is **18.1279, 12.9471, 5.4408**.

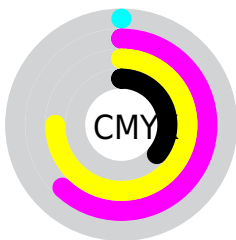
Distribution



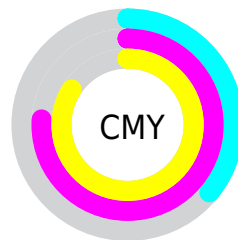
- Red (64%)
- Green (24%)
- Blue (16%)



- Red (64%)
- Yellow (25%)
- Blue (16%)



- Cyan (0%)
- Magenta (62%)
- Yellow (75%)
- Black (36%)





- Cyan (36%)
- Magenta (76%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9693, 11.1790, 3.3612 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 16.9693, 11.1790, 3.3612 by changing the saturation by 10% instead.


 16.9693, 11.1790,
3.3612


 16.9693, 11.1790,
3.3612


228.1551,
198.8915, 140.8359


 10.3078, 6.1874,
1.2819


 37.8170, 27.9907,
12.5074


 5.6673, 2.9593,
0.0469

 52.7339, 40.5795,
20.4114


 2.6826, 1.1105,
0.0000

 71.1333, 56.4696,
31.0941

 0.9882, 0.0000,
0.0000

 93.3805, 76.0452,
44.9739

 0.0000, 0.0000,
0.0000

 119.8410, 99.6908,
62.4695

 150.8800,

127.7908, 83.9993

186.8629,
160.7296, 109.9819

■ 16.9693, 11.1790,
3.3612

■ 16.9693, 11.1790,
3.3612

■ 16.1095, 9.8227,
1.9554

■ 18.1279, 12.9471,
5.4408

■ 15.5183, 8.8422,
1.1358

■ 19.6099, 15.1553,
8.2649

■ 15.2872, 8.4554,
0.8263

■ 21.4380, 17.8314,
11.8959

■ 23.6326, 21.0004,
16.3893

■ 26.2126, 24.6855,
21.7958

■ 29.1953, 28.9085,
28.1621

■ 32.5973, 33.6897,
35.5317

■ 36.4340, 39.0487,
43.9456

■ 40.7201, 45.0039,
53.4422

Harmonies

Analogous

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



19.1060, 11.1790, 9.1435



16.9693, 11.1790, 3.3612



13.2552, 11.1790, 1.4042

Triad

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



16.9693, 11.1790, 3.3612



5.3332, 11.1790, 6.4386



11.8278, 11.1790, 44.4610

Complementary

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



16.9693, 11.1790, 3.3612



17.1081, 22.4242, 37.6088

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.



8.3685, 11.1790, 42.1738



16.9693, 11.1790, 3.3612



5.1197, 11.1790, 15.8048

Square

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



16.9693, 11.1790, 3.3612



6.7696, 11.1790, 2.3476



6.0998, 11.1790, 29.8684



15.7221, 11.1790, 35.0164

Rectangle

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



16.9693, 11.1790, 3.3612



10.6790, 11.1790, 1.1266



6.0998, 11.1790, 29.8684



10.5718, 11.1790, 45.1216

Sweetspot

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



16.9696, 11.1796, 3.3614



48.7525, 46.4699, 42.0389



20.7157, 11.2763, 27.4101



10.6553, 10.0189, 8.8179



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.



16.9696, 11.1796, 3.3614



28.4451, 16.5151, 2.4060



21.9749, 21.1903, 5.0298



7.1640, 7.2665, 7.4051



12.0661, 6.7062, 0.6585



0.2787, 0.1912, 0.0222

Inverse Universe

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



17.1081, 22.4242, 37.6088



28.5049, 37.6023, 67.8117



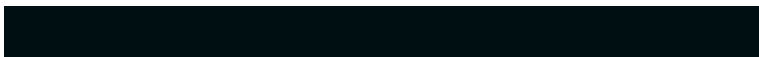
10.5562, 9.3203, 35.4248



7.1760, 7.8110, 9.0325



12.0139, 15.8073, 29.3477



0.2774, 0.3820, 0.6250

Previews

White Background



This preview shows how the XYZ color 16.9693, 11.1790, 3.3612 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 16.9693, 11.1790, 3.3612 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 16.9693, 11.1790, 3.3612

Background



This preview shows how black text looks on a background with the XYZ color 16.9693, 11.1790, 3.3612.



This preview shows how white text looks on a background with the XYZ color 16.9693, 11.1790,

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

16.9693, 11.1790, 3.3612

Protanopia

10.4210, 11.3754, 4.8952

Deuteranopia

11.4161, 11.2794, 3.0888



Tritanopia

17.4868, 11.1604, 5.7900

Trichromacy



Original Color

16.9693, 11.1790, 3.3612

Protanomaly

12.0842, 10.7599, 4.2363

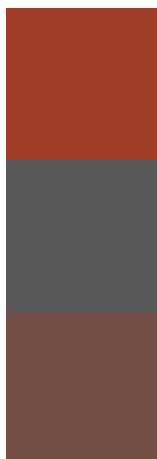
Deuteranomaly

12.9614, 10.7939, 3.1505

Tritanomaly

17.3341, 11.1808, 4.7345

Monochromacy



Original Color

16.9693, 11.1790, 3.3612

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.1681, 9.7728, 7.4286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9693, 11.1790, 3.3612 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(162, 61, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 61, 41) }
```

Border

The CSS property to change the border of an element to XYZ 16.9693, 11.1790, 3.3612 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, 41) }
```


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

```
.border{ border-color:rgb(162, 61, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 61, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 61, 41);  
box-shadow:4px 4px 4px 4px rgb(162, 61,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9693, 11.1790, 3.3612 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, 41) }
```

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

```
.background{ background-color: rgb(162, 61,  
41) }
```

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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