

Converting Colors

XYZ(16.9630, 11.2020, 2.6334)

Have a look what the booklet for
XYZ(16.9630, 11.2020, 2.6334)
contains.

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Color

**XYZ(17.0337, 11.2283,
2.6360)**

Conversions

Conversions Part 1

Format	Color
Hex	A33D20
RGB	163, 61, 32
RGB Percent	64%, 24%, 13%
CMY	0.3608, 0.7608, 0.8745
CMYK	0.00, 0.63, 0.80, 0.36
HSL	13°, 67%, 38%
HSV	13°, 80%, 64%
XYZ	17.0337, 11.2283, 2.6360
YIQ	88.1920, 70.1010, 12.6050

Conversions

Conversions Part 2

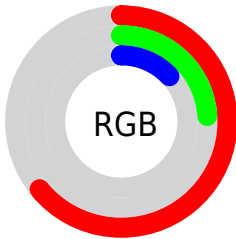
Format	Color
RYB	163, 69, 32
Decimal	10698016
CIELab	39.96, 40.68, 38.63
CIElCh	40, 56.100, 43.518
Yxy	11.2283, 0.5513, 0.3634
Android (android.graphics.Color)	4288888096 (0xFFA33D20)
YUV	88.1920, -27.7027, 65.6066
Hunter-Lab	33.5087, 32.0981, 18.7919

Details

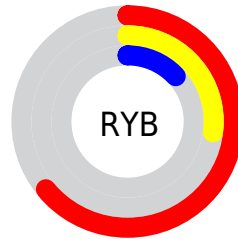
The XYZ color **17.0337, 11.2283, 2.6360** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.7307, 19.9999, 37.6813**, and the grayscale version is **9.3662, 9.8540, 10.7310**.

A 20% lighter version of the original color is **38.0207, 28.2076, 10.6484**, and **5.7306, 2.9865, 0.2744** is the 20% darker color. If you saturate the color by 10%, you get **16.2654, 9.9628, 1.5443**, and if you desaturate by 10%, it is **18.0725, 12.8596, 4.3586**.

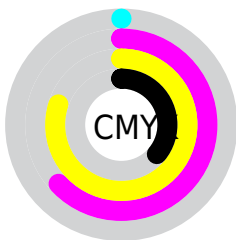
Distribution



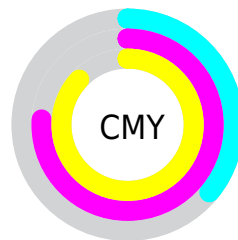
- Red (64%)
- Green (24%)
- Blue (13%)



- Red (64%)
- Yellow (27%)
- Blue (13%)



- Cyan (0%)
- Magenta (63%)
- Yellow (80%)
- Black (36%)





- Cyan (36%)
- Magenta (76%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0337, 11.2283, 2.6360 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 17.0337, 11.2283, 2.6360 by changing the saturation by 10% instead.


 17.0337, 11.2283,
2.6360


 17.0337, 11.2283,
2.6360


228.5190,
199.2272, 131.5803


 10.3540, 6.2206,
0.9110


 37.9268, 28.0816,
10.7162


 5.6983, 2.9797,
0.0000

 52.8710, 40.6959,
17.9094


 2.7014, 1.1211,
0.0000

 71.3006, 56.6146,
27.7628

 0.9979, 0.0000,
0.0000


 93.5811, 76.2221,
40.6948


 0.0000, 0.0000,
0.0000


 120.0779, 99.9027,
57.1240


 151.1562,


128.0408, 77.4690

 187.1814,
161.0208, 102.1482


 17.0337, 11.2283,
2.6360


 17.0337, 11.2283,
2.6360


 16.2654, 9.9628,
1.5443


 18.0725, 12.8596,
4.3586

 15.7378, 9.0537,
0.9181

 19.4056, 14.8812,
6.7902

 21.0549, 17.3177,
9.9980

 23.0400, 20.1909,
14.0413

 25.3786, 23.5211,
18.9734

■ 28.0872, 27.3272,
24.8433

■ 31.1815, 31.6273,
31.6964

■ 34.6758, 36.4382,
39.5750

■ 38.5841, 41.7762,
48.5191

Harmonies

Analogous

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



19.6726, 11.2283, 7.8878



17.0337, 11.2283, 2.6360



12.9273, 11.2283, 1.0590

Triad

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



17.0337, 11.2283, 2.6360



5.0060, 11.2283, 7.1185



12.5090, 11.2283, 46.8907

Complementary

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



17.0337, 11.2283, 2.6360



15.7307, 19.9999, 37.6813

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.



8.6959, 11.2283, 46.1945



17.0337, 11.2283, 2.6360



4.9460, 11.2283, 17.9185

Square

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



17.0337, 11.2283, 2.6360



6.3222, 11.2283, 2.3653



6.1320, 11.2283, 33.5732



16.6643, 11.2283, 35.1266

Rectangle

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



17.0337, 11.2283, 2.6360



10.2218, 11.2283, 0.9023



6.1320, 11.2283, 33.5732



11.1356, 11.2283, 48.2527

Sweetspot

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



17.0339, 11.2289, 2.6362



48.2425, 46.0567, 39.9979



19.9669, 10.5580, 23.7658



10.4684, 9.8284, 8.1903



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.



17.0339, 11.2289, 2.6362



28.3909, 16.5515, 1.9415



22.8108, 22.7826, 4.5618



7.1951, 7.3286, 7.4154



12.2603, 7.0945, 0.7232



0.2896, 0.2130, 0.0258

Inverse Universe

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



15.7307, 19.9999, 37.6813



25.7022, 32.3039, 66.9367



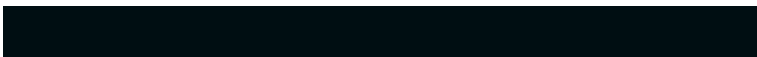
9.3418, 7.2221, 35.5517



7.1425, 7.7439, 9.0213



11.0616, 13.9026, 29.0302



0.2636, 0.3545, 0.6204

Previews

White Background



This preview shows how the XYZ color 17.0337, 11.2283, 2.6360 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 17.0337, 11.2283, 2.6360 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 17.0337, 11.2283, 2.6360

Background



This preview shows how black text looks on a background with the XYZ color 17.0337, 11.2283, 2.6360.



This preview shows how white text looks on a background with the XYZ color 17.0337, 11.2283,

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

17.0337, 11.2283, 2.6360

Protanopia

10.4363, 11.4087, 3.7499

Deuteranopia

11.5565, 11.3673, 2.3956



Tritanopia

17.6652, 11.2555, 5.6564

Trichromacy



Original Color

17.0337, 11.2283, 2.6360

Protanomaly

12.1955, 10.8385, 3.2830

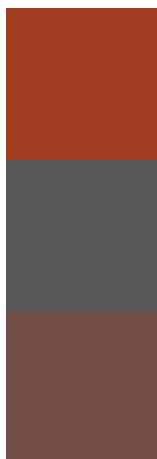
Deuteranomaly

13.1358, 10.9008, 2.3890

Tritanomaly

17.4495, 11.2507, 4.2695

Monochromacy



Original Color

17.0337, 11.2283, 2.6360

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.8380, 9.5110, 6.7334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0337, 11.2283, 2.6360 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, 61, 32)` looks like.

```
.text, #text, p{  
    color:rgb(163, 61, 32)  
}
```

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, 61, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 61, 32) }
```

Border

The CSS property to change the border of an element to XYZ 17.0337, 11.2283, 2.6360 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, 61, 32) }
```


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

```
.border{ border-color:rgb(163, 61, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 61, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 61, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 61, 32);  
box-shadow:4px 4px 4px 4px rgb(163, 61,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0337, 11.2283, 2.6360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 61, 32) }
```

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

```
.background{ background-color: rgb(163, 61,  
32) }
```

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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