

Converting Colors

XYZ(16.6463, 11.0113, 3.8941)

Have a look what the booklet for
XYZ(16.6463, 11.0113, 3.8941)
contains.

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Color

**XYZ(16.6790, 11.0163,
3.9366)**

Conversions

Conversions Part 1

Format	Color
Hex	A03D2F
RGB	160, 61, 47
RGB Percent	63%, 24%, 18%
CMY	0.3726, 0.7608, 0.8157
CMYK	0.00, 0.62, 0.71, 0.37
HSL	7°, 55%, 41%
HSV	7°, 71%, 63%
XYZ	16.6790, 11.0163, 3.9366
YIQ	89.0050, 63.4980, 16.6340

Conversions

Conversions Part 2

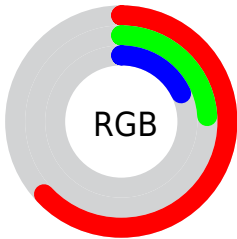
Format	Color
RYB	160, 63, 47
Decimal	10501423
CIELab	39.61, 40.24, 29.74
CIELCh	40, 50.038, 36.470
Yxy	11.0163, 0.5273, 0.3483
Android (android.graphics.Color)	4288691503 (0xFFA03D2F)
YUV	89.0050, -20.7085, 62.2626
Hunter-Lab	33.1908, 31.6156, 16.2015

Details

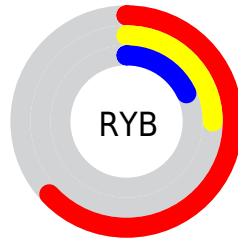
The XYZ color **16.6790, 11.0163, 3.9366** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.7953, 23.6982, 36.8937**, and the grayscale version is **9.5316, 10.0280, 10.9205**.

A 20% lighter version of the original color is **37.3298, 27.6121, 13.9519**, and **5.5175, 2.8921, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **15.7605, 9.6046, 2.3196**, and if you desaturate by 10%, it is **17.9119, 12.8677, 6.2424**.

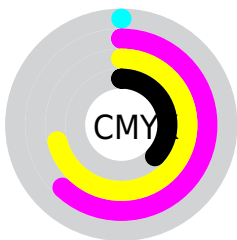
Distribution



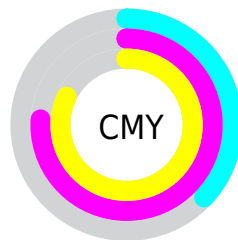
- Red (63%)
- Green (24%)
- Blue (18%)



- Red (63%)
- Yellow (25%)
- Blue (18%)



- Cyan (0%)
- Magenta (62%)
- Yellow (71%)
- Black (37%)





- Cyan (37%)
- Magenta (76%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.6790, 11.0163, 3.9366 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 16.6790, 11.0163, 3.9366 by changing the saturation by 10% instead.


 16.6790, 11.0163,
3.9366


 16.6790, 11.0163,
3.9366


226.5082,
197.7793, 147.5181


 10.0998, 6.0778,
1.5906


 37.3210, 27.6903,
13.8633


 5.5279, 2.8924,
0.2841

 52.1146, 40.1946,
22.2811


 2.5981, 1.0758,
0.0000

 70.3769, 55.9896,
33.5599

 0.9450, 0.0000,
0.0000

 92.4734, 75.4598,
48.1182

 0.0000, 0.0000,
0.0000

 118.7694, 98.9894,
66.3747

 149.6303,

126.9629, 88.7478

185.4215,
159.7648, 115.6561

■ 16.6790, 11.0163,
3.9366

■ 16.6790, 11.0163,
3.9366

■ 15.7605, 9.6046,
2.3196

■ 17.9119, 12.8677,
6.2424

■ 15.1264, 8.5942,
1.3136

■ 19.4841, 15.1894,
9.3022

■ 14.7443, 7.9679,
0.7608

■ 21.4185, 18.0115,
13.1743

■ 23.7362, 21.3610,
17.9111

■ 26.4563, 25.2627,
23.5606

■ 29.5968, 29.7403,
30.1672

■ 33.1746, 34.8157,
37.7726

■ 37.2055, 40.5098,
46.4158

■ 41.7048, 46.8427,
56.1337

Harmonies

Analogous

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



18.4317, 11.0163, 10.0006



16.6790, 11.0163, 3.9366



13.3129, 11.0163, 1.7011

Triad

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



16.6790, 11.0163, 3.9366



5.5356, 11.0163, 5.9508



11.2271, 11.0163, 42.0062

Complementary

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



16.6790, 11.0163, 3.9366



17.7953, 23.6982, 36.8937

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.



8.0648, 11.0163, 38.7678



16.6790, 11.0163, 3.9366



5.2129, 11.0163, 14.2380

Square

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



16.6790, 11.0163, 3.9366



7.0364, 11.0163, 2.3439



6.0330, 11.0163, 26.9794



14.8722, 11.0163, 34.3232

Rectangle

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



16.6790, 11.0163, 3.9366



10.8796, 11.0163, 1.3189



6.0330, 11.0163, 26.9794



10.0721, 11.0163, 42.2001

Sweetspot

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



16.6793, 11.0169, 3.9368



47.6250, 45.2802, 41.9174



20.7656, 11.6074, 28.6742



10.1541, 9.5143, 8.5868



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.6793, 11.0169, 3.9368



27.8661, 16.2531, 2.9901



21.3346, 20.3276, 5.4886



6.6960, 6.7721, 6.9399



11.5046, 6.2447, 0.5990



0.2225, 0.1453, 0.0163

Inverse Universe

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



17.7953, 23.6982, 36.8937



29.8824, 40.4760, 66.6242



11.2004, 10.5083, 34.6954



6.7517, 7.3691, 8.4732



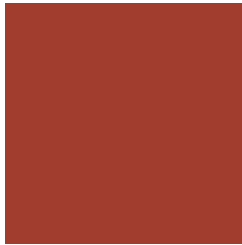
12.2891, 16.6698, 28.4771



0.2375, 0.3336, 0.5151

Previews

White Background



This preview shows how the XYZ color 16.6790, 11.0163, 3.9366 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 16.6790, 11.0163, 3.9366 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 16.6790, 11.0163, 3.9366

Background



This preview shows how black text looks on a background with the XYZ color 16.6790, 11.0163, 3.9366.



This preview shows how white text looks on a background with the XYZ color 16.6790, 11.0163,

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

16.6790, 11.0163, 3.9366

Protanopia

10.3599, 11.1945, 5.6177

Deuteranopia

11.3925, 11.2543, 3.6697



Tritanopia

17.1314, 11.0528, 5.7879

Trichromacy



Original Color

16.6790, 11.0163, 3.9366

Protanomaly

11.9953, 10.5860, 4.9011

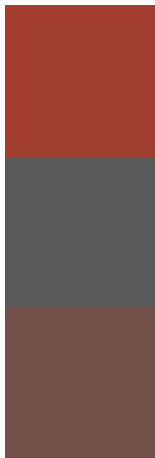
Deuteranomaly

12.9049, 10.7529, 3.6809

Tritanomaly

17.0523, 11.1042, 5.1155

Monochromacy



Original Color

16.6790, 11.0163, 3.9366

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.1022, 9.7312, 7.7717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6790, 11.0163, 3.9366 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(160, 61, 47)` looks like.

```
.text, #text, p{  
    color:rgb(160, 61, 47)  
}
```

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(160, 61, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 61, 47) }
```

Border

The CSS property to change the border of an element to XYZ 16.6790, 11.0163, 3.9366 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(160, 61, 47) }
```


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

```
.border{ border-color:rgb(160, 61, 47) }
```

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

Here you see how a box with a 4 pixel rgb(160, 61, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 61, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 61, 47);  
box-shadow:4px 4px 4px 4px rgb(160, 61,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6790, 11.0163, 3.9366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 61, 47) }
```

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

```
.background{ background-color: rgb(160, 61,  
47) }
```

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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