

Converting Colors

XYZ(16.7869, 11.0347, 5.6607)

Have a look what the booklet for
XYZ(16.7869, 11.0347, 5.6607)
contains.

XYZ(16.8091, 11.0453, 5.6609)	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(16.8091, 11.0453,
5.6609)**

Conversions

Conversions Part 1

Format	Color
Hex	9F3D3D
RGB	159, 61, 61
RGB Percent	62%, 24%, 24%
CMY	0.3765, 0.7608, 0.7608
CMYK	0.00, 0.62, 0.62, 0.38
HSL	0°, 45%, 43%
HSV	0°, 62%, 62%
XYZ	16.8091, 11.0453, 5.6609
YIQ	90.3020, 58.4080, 20.7760

Conversions

Conversions Part 2

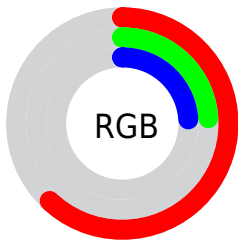
Format	Color
RYB	159, 61, 61
Decimal	10435901
CIELab	39.66, 40.76, 21.31
CIELCh	40, 45.992, 27.609
Yxy	11.0453, 0.5015, 0.3296
Android (android.graphics.Color)	4288625981 (0xFF9F3D3D)
YUV	90.3020, -14.4459, 60.2481
Hunter-Lab	33.2345, 32.1202, 13.1651

Details

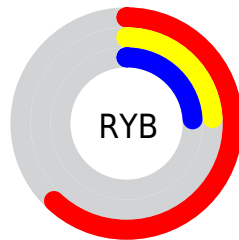
The XYZ color **16.8091, 11.0453, 5.6609** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.5797, 28.2897, 37.1765**, and the grayscale version is **9.8088, 10.3196, 11.2380**.

A 20% lighter version of the original color is **37.5253, 27.7984, 17.5752**, and **5.6187, 2.9152, 0.8826** is the 20% darker color. If you saturate the color by 10%, you get **15.7160, 9.4460, 3.4877**, and if you desaturate by 10%, it is **18.2813, 13.1998, 8.5871**.

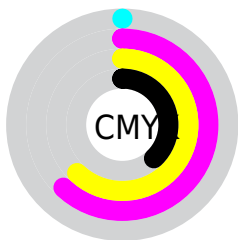
Distribution



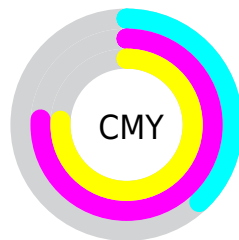
- Red (62%)
- Green (24%)
- Blue (24%)



- Red (62%)
- Yellow (24%)
- Blue (24%)



- Cyan (0%)
- Magenta (62%)
- Yellow (62%)
- Black (38%)





- Cyan (38%)
- Magenta (76%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8091, 11.0453, 5.6609 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 16.8091, 11.0453, 5.6609 by changing the saturation by 10% instead.

 16.8091, 11.0453,
5.6609


 16.8091, 11.0453,
5.6609


227.2476,
197.9781, 165.2050


 10.1929, 6.0973,
2.5746


 37.5435, 27.7439,
17.6882


 5.5903, 2.9043,
0.8793

 52.3924, 40.2633,
27.4664


 2.6359, 1.0820,
0.0000

 70.7163, 56.0753,
40.3121

 0.9643, 0.0000,
0.0000

 92.8805, 75.5643,
56.6441

 0.0000, 0.0000,
0.0000

 119.2504, 99.1147,
76.8809

 150.1913,

127.1108, 101.4409

186.0686,
159.9372, 130.7428

■ 16.8091, 11.0453,
5.6609

■ 16.8091, 11.0453,
5.6609

■ 15.7160, 9.4460,
3.4877

■ 18.2813, 13.1998,
8.5871

■ 14.9667, 8.3495,
1.9982

■ 20.1621, 15.9520,
12.3260

■ 14.5205, 7.6965,
1.1113

■ 22.4792, 19.3426,
16.9323

■ 14.2981, 7.3711,
0.6692

■ 25.2575, 23.4081,
22.4555

■ 28.5201, 28.1822,
28.9414

■ 32.2885, 33.6963,
36.4328

■ 36.5829, 39.9802,
44.9699

■ 41.4224, 47.0618,
54.5909

■ 46.8252, 54.9676,
65.3316

Harmonies

Analogous

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



17.7603, 11.0453, 12.7625



16.8091, 11.0453, 5.6609



14.0763, 11.0453, 2.5370

Triad

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



16.8091, 11.0453, 5.6609



6.1806, 11.0453, 4.9378



10.2483, 11.0453, 38.8978

Complementary

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



16.8091, 11.0453, 5.6609



20.5797, 28.2897, 37.1765

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.



7.5845, 11.0453, 33.3349



16.8091, 11.0453, 5.6609



5.5473, 11.0453, 11.3192

Square

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



16.8091, 11.0453, 5.6609



7.9413, 11.0453, 2.2898



6.0053, 11.0453, 21.9519



13.5524, 11.0453, 34.7790

Rectangle

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



16.8091, 11.0453, 5.6609



11.8479, 11.0453, 1.8096



6.0053, 11.0453, 21.9519



9.2551, 11.0453, 38.0559

Sweetspot

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



16.8094, 11.0459, 5.6611



47.0603, 44.5941, 43.8462



22.2247, 13.2116, 34.1794



10.2623, 9.5454, 9.1945



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.



16.8094, 11.0459, 5.6611



27.5712, 16.0757, 5.1033



20.7163, 18.8597, 6.9634



6.6331, 6.6462, 6.9189



11.2932, 5.8220, 0.5285



0.2019, 0.1041, 0.0095

Inverse Universe

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



20.5797, 28.2897, 37.1765



34.9150, 49.6631, 66.4892



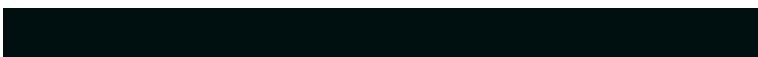
13.7584, 14.6472, 34.9027



6.8218, 7.5094, 8.4966



14.7341, 21.5598, 29.2921



0.2635, 0.3855, 0.5238

Previews

White Background



This preview shows how the XYZ color 16.8091, 11.0453, 5.6609 looks on a white background.

Color Contrast Check

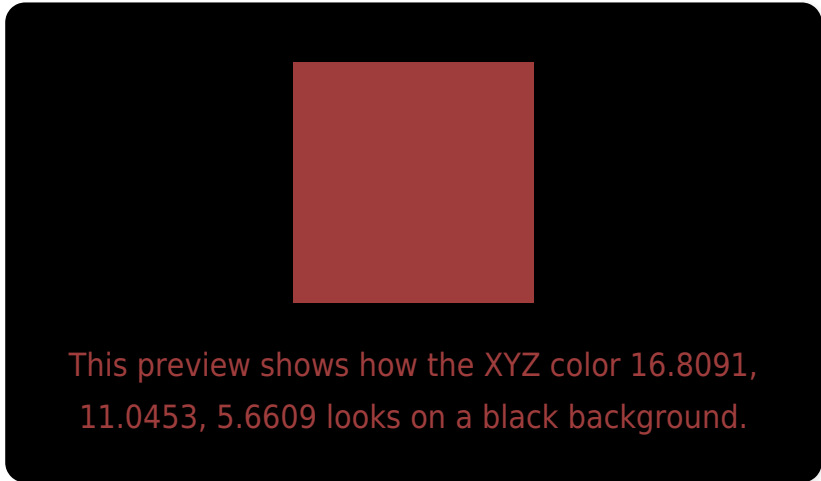
Large Text (above 18pt) WCAG AA ✓ Pass

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

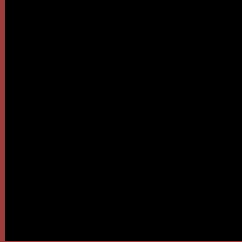
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8091, 11.0453, 5.6609

Background



This preview shows how black text looks on a background with the XYZ color 16.8091, 11.0453, 5.6609.

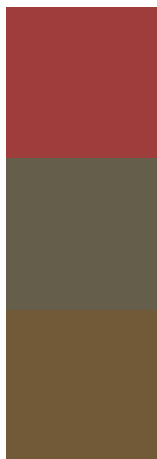


This preview shows how white text looks on a background with the XYZ color 16.8091, 11.0453,

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

16.8091, 11.0453, 5.6609

Protanopia

10.5282, 11.2227, 8.2679

Deuteranopia

11.3094, 11.1753, 5.3024



Tritanopia

16.8922, 11.0786, 6.0985

Trichromacy



Original Color

16.8091, 11.0453, 5.6609

Protanomaly

12.0079, 10.5417, 7.1962

Deuteranomaly

12.7656, 10.6433, 5.3845

Tritanomaly

16.8640, 11.0673, 5.9500

Monochromacy



Original Color

16.8091, 11.0453, 5.6609

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.2775, 9.8013, 8.6946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8091, 11.0453, 5.6609 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(159, 61, 61)` looks like.

```
.text, #text, p{  
    color:rgb(159, 61, 61)  
}
```

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(159, 61, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 61, 61) }
```

Border

The CSS property to change the border of an element to XYZ 16.8091, 11.0453, 5.6609 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(159, 61, 61) }
```


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

```
.border{ border-color:rgb(159, 61, 61) }
```

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

Here you see how a box with a 4 pixel rgb(159, 61, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 61, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 61, 61);  
box-shadow:4px 4px 4px 4px rgb(159, 61,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8091, 11.0453, 5.6609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 61, 61) }
```

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

```
.background{ background-color: rgb(159, 61,  
61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor