

Converting Colors

XYZ(16.5662, 8.8351, 1.3121)

Have a look what the booklet for
XYZ(16.5662, 8.8351, 1.3121)
contains.

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Color

**XYZ(16.6562, 8.8733,
1.3251)**

Conversions

Conversions Part 1

Format	Color
Hex	A91110
RGB	169, 17, 16
RGB Percent	66%, 7%, 6%
CMY	0.3373, 0.9333, 0.9372
CMYK	0.00, 0.90, 0.91, 0.34
HSL	0°, 83%, 36%
HSV	0°, 91%, 66%
XYZ	16.6562, 8.8733, 1.3251
YIQ	62.3340, 90.9130, 31.9130

Conversions

Conversions Part 2

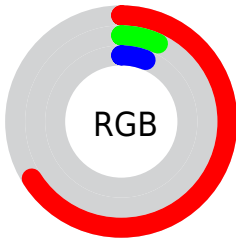
Format	Color
R_{YB}	169, 17, 16
Decimal	11079952
CIE Lab	35.74, 56.79, 43.20
CIE LCh	36, 71.352, 37.263
Yxy	8.8733, 0.6202, 0.3304
Android (android.graphics.Color)	4289270032 (0xFFA91110)
YUV	62.3340, -22.8427, 93.5461
Hunter-Lab	29.7881, 47.6803, 18.2142

Details

The XYZ color **16.6562, 8.8733, 1.3251** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **21.3746, 30.9738, 42.3879**, and the grayscale version is **4.6515, 4.8937, 5.3293**.

A 20% lighter version of the original color is **37.1655, 23.5382, 7.1419**, and **6.0634, 3.1258, 0.2838** is the 20% darker color. If you saturate the color by 10%, you get **16.3743, 8.4594, 0.7698**, and if you desaturate by 10%, it is **17.2018, 9.6772, 2.3929**.

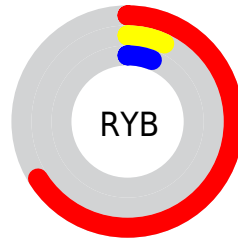
Distribution



Red (66%)

Green (7%)

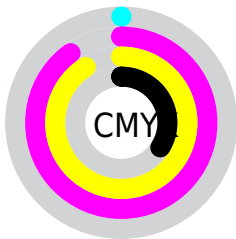
Blue (6%)



Red (66%)

Yellow (7%)

Blue (6%)

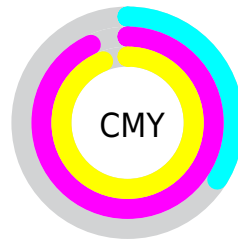


Cyan (0%)

Magenta (90%)

Yellow (91%)

Black (34%)



Cyan (34%)


Magenta (93%)

Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.6562, 8.8733, 1.3251 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 16.6562, 8.8733, 1.3251 by changing the saturation by 10% instead.


 16.6562, 8.8733,
1.3251


 16.6562, 8.8733,
1.3251


 226.3784,
182.4299, 110.8152


 10.0835, 4.6586,
0.0822


 37.2820, 23.6535,
7.0964


 5.5170, 2.0484,
0.0000

 52.0658, 34.9878,
12.7035


 2.5915, 0.6354,
0.0000

 70.3174, 49.4642,
20.6831

 0.9416, 0.0000,
0.0000

 92.4020, 67.4669,
31.4535


 0.0000, 0.0000,
0.0000


 118.6850, 89.3805,
45.4334


 149.5319,

115.5892, 63.0413


 185.3079,
146.4776, 84.6957


 16.6562, 8.8733,
1.3251


 16.6562, 8.8733,
1.3251


 16.3743, 8.4594,
0.7698

 17.2018, 9.6772,
2.3929

 18.0997, 10.9959,
4.1637

 19.3962, 12.8965,
6.7304

 21.1303, 15.4358,
10.1717

 23.3362, 18.6638,
14.5568

■ 26.0451, 22.6256,
19.9481

■ 29.2851, 27.3623,
26.4027

■ 33.0826, 32.9122,
33.9731

■ 37.4620, 39.3109,
42.7087

Harmonies

Analogous

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



19.2822, 8.8733, 7.0170



16.6562, 8.8733, 1.3251



11.9655, 8.8733, 0.0000

Triad

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



16.6562, 8.8733, 1.3251



2.9542, 8.8733, 3.1856



9.4991, 8.8733, 55.7330

Complementary

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



16.6562, 8.8733, 1.3251



21.3746, 30.9738, 42.3879

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.



5.6760, 8.8733, 50.6960



16.6562, 8.8733, 1.3251



2.6826, 8.8733, 12.8987

Square

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



16.6562, 8.8733, 1.3251



4.4206, 8.8733, 0.3378



3.4925, 8.8733, 31.5941



14.3459, 8.8733, 42.3510

Rectangle

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



16.6562, 8.8733, 1.3251



8.8263, 8.8733, 0.0000



3.4925, 8.8733, 31.5941



8.0531, 8.8733, 56.2477

Sweetspot

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



16.6564, 8.8739, 1.3252



48.3113, 42.9570, 39.0438



23.7088, 11.6702, 38.5389



10.1442, 8.7990, 7.7420



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.6564, 8.8739, 1.3252



29.3196, 15.1383, 1.3767



20.3263, 16.2137, 2.5485



7.5350, 7.5500, 7.8494



12.2053, 6.3079, 0.5743



0.2982, 0.1559, 0.0144

Inverse Universe

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



21.3746, 30.9738, 42.3879



37.8564, 55.1917, 75.8829



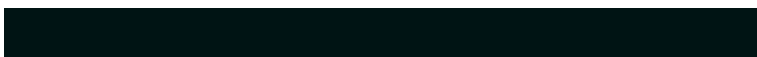
11.2458, 10.7161, 39.0116



7.7432, 8.5234, 9.6554



15.7583, 22.9767, 31.5799



0.3847, 0.5616, 0.7688

Previews

White Background



This preview shows how the XYZ color 16.6562, 8.8733, 1.3251 looks on a white background.

Color Contrast Check

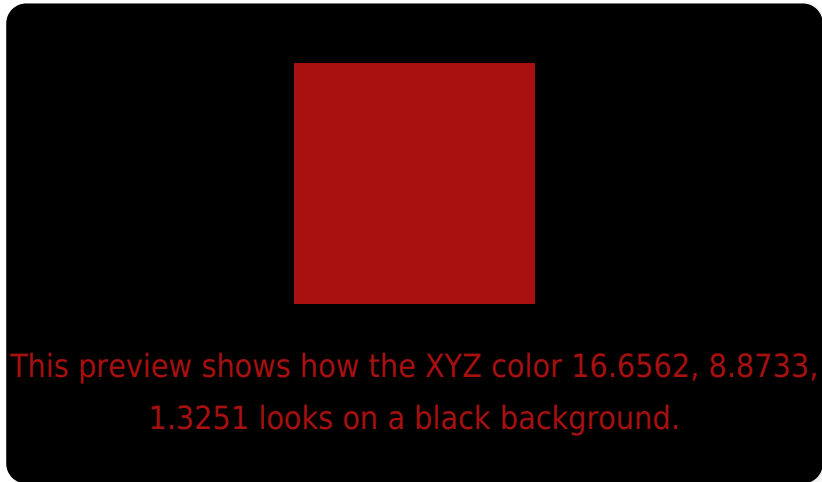
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 16.6562, 8.8733, 1.3251

Background



This preview shows how black text looks on a background with the XYZ color 16.6562, 8.8733, 1.3251.



This preview shows how white text looks on a background with the XYZ color 16.6562, 8.8733,

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

16.6562, 8.8733, 1.3251

Protanopia

8.3860, 9.2361, 2.5691

Deuteranopia

9.3240, 9.2858, 1.3009



Tritanopia

16.6389, 8.8918, 1.1559

Trichromacy



Original Color

16.6562, 8.8733, 1.3251

Protanomaly

10.0126, 7.6186, 1.8625

Deuteranomaly

10.9060, 7.8646, 1.1155

Tritanomaly

16.6511, 8.8967, 1.2204

Monochromacy



Original Color

16.6562, 8.8733, 1.3251

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.8175, 4.9102, 3.0711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6562, 8.8733, 1.3251 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(169, 17, 16)` looks like.

```
.text, #text, p{  
    color:rgb(169, 17, 16)  
}
```

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(169, 17, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 17, 16) }
```

Border

The CSS property to change the border of an element to XYZ 16.6562, 8.8733, 1.3251 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(169, 17, 16) }
```


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

```
.border{ border-color:rgb(169, 17, 16) }
```

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

Here you see how a box with a 4 pixel rgb(169, 17, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 17, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 17, 16);  
box-shadow:4px 4px 4px 4px rgb(169, 17,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6562, 8.8733, 1.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 17, 16) }
```

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

```
.background{ background-color: rgb(169, 17,  
16) }
```

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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