

Converting Colors

XYZ(15.9383, 7.0843, 8.0900)

Have a look what the booklet for
XYZ(15.9383, 7.0843, 8.0900)
contains.

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Color

**XYZ(16.5522, 8.3657,
8.3318)**

Conversions

Conversions Part 1

Format	Color
Hex	A30050
RGB	163, 0, 80
RGB Percent	64%, 0%, 31%
CMY	0.3608, 0.9999, 0.6863
CMYK	0.00, 1.00, 0.51, 0.36
HSL	331°, 100%, 32%
HSV	331°, 100%, 64%
XYZ	16.5522, 8.3657, 8.3318
YIQ	57.8570, 71.4680, 59.4360

Conversions

Conversions Part 2

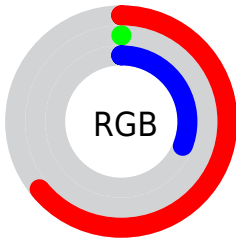
Format	Color
RYB	163, 0, 80
Decimal	10682448
CIELab	34.73, 60.54, 2.56
CIELCh	35, 60.594, 2.423
Yxy	8.3657, 0.4978, 0.2516
Android (android.graphics.Color)	4288872528 (0xFFA30050)
YUV	57.8570, 10.9165, 92.2104
Hunter-Lab	28.9235, 51.5349, 3.1672

Details

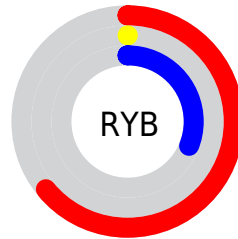
The XYZ color **16.5522, 8.3657, 8.3318** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **14.6596, 26.8193, 12.5923**, and the grayscale version is **3.9835, 4.1909, 4.5639**.

A 20% lighter version of the original color is **37.1183, 22.7217, 23.1983**, and **6.1441, 3.1306, 1.9495** is the 20% darker color. If you saturate the color by 10%, you get **16.5517, 8.3655, 8.3295**, and if you desaturate by 10%, it is **17.0683, 8.8763, 10.1118**.

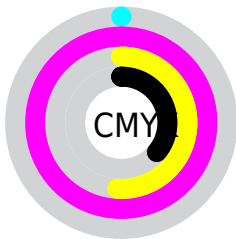
Distribution



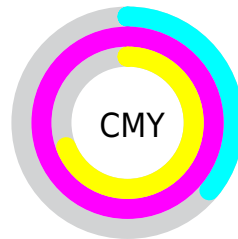
- Red (64%)
- Green (0%)
- Blue (31%)



- Red (64%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (36%)





- Cyan (36%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5522, 8.3657, 8.3318 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 16.5522, 8.3657, 8.3318 by changing the saturation by 10% instead.


 16.5522, 8.3657,
8.3318


 16.5522, 8.3657,
8.3318

225.7854,
178.5729, 188.3425


 10.0091, 4.3298,
4.2172


 37.1040, 22.6723,
23.1632


 5.4673, 1.8597,
1.7452

 51.8433, 33.7118,
34.7171


 2.5615, 0.5240,
0.3915

 70.0455, 47.8547,
49.5877

 0.9264, 0.0000,
0.0000

 92.0758, 65.4853,
68.1938

 0.0000, 0.0000,
0.0000

 118.2995, 86.9880,
90.9538

 149.0821,

112.7472, 118.2862

184.7890,
143.1474, 150.6096

16.5522, 8.3657,
8.3318

16.5522, 8.3657,
8.3318

16.5517, 8.3655,
8.3295

17.0683, 8.8763,
10.1118

17.7768, 9.7091,
12.1495

18.7442, 10.9947,
14.4730

19.9995, 12.7897,
17.0979

21.5680, 15.1424,
20.0383

■ 23.4717, 18.0954,
23.3070

■ 25.7307, 21.6871,
26.9158

■ 28.3635, 25.9528,
30.8759

■ 31.3871, 30.9249,
35.1979

Harmonies

Analogous

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



15.3670, 8.3657, 20.9832



16.5522, 8.3657, 8.3318



14.9375, 8.3657, 2.2623

Triad

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



16.5522, 8.3657, 8.3318



4.9079, 8.3657, 0.6108



5.2671, 8.3657, 38.2999

Complementary

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



16.5522, 8.3657, 8.3318



14.6596, 26.8193, 12.5923

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.



3.5752, 8.3657, 23.4948



16.5522, 8.3657, 8.3318



3.4137, 8.3657, 2.8553

Square

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



16.5522, 8.3657, 8.3318



7.6752, 8.3657, 0.0000



3.0070, 8.3657, 9.9327



8.2340, 8.3657, 44.1317

Rectangle

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



16.5522, 8.3657, 8.3318



12.7017, 8.3657, 0.8293



3.0070, 8.3657, 9.9327



4.5633, 8.3657, 33.8554

Sweetspot

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



16.5524, 8.3662, 8.3319



45.8333, 38.4409, 47.8185



10.0484, 4.4169, 34.9731



9.9150, 8.0281, 10.1436



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.



16.5524, 8.3662, 8.3319



29.5423, 14.9418, 14.3871



15.1046, 7.7871, 0.7076



7.2118, 7.1412, 8.1020



12.8867, 6.5107, 6.5939



0.2946, 0.1464, 0.2643

Inverse Universe

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



16.5524, 8.3662, 8.3319



29.5423, 14.9418, 14.3871



19.7082, 28.8387, 39.1779



7.2118, 7.1412, 8.1020



12.8867, 6.5107, 6.5939



0.2946, 0.1464, 0.2643

Previews

White Background



This preview shows how the XYZ color 16.5522, 8.3657, 8.3318 looks on a white background.

Color Contrast Check

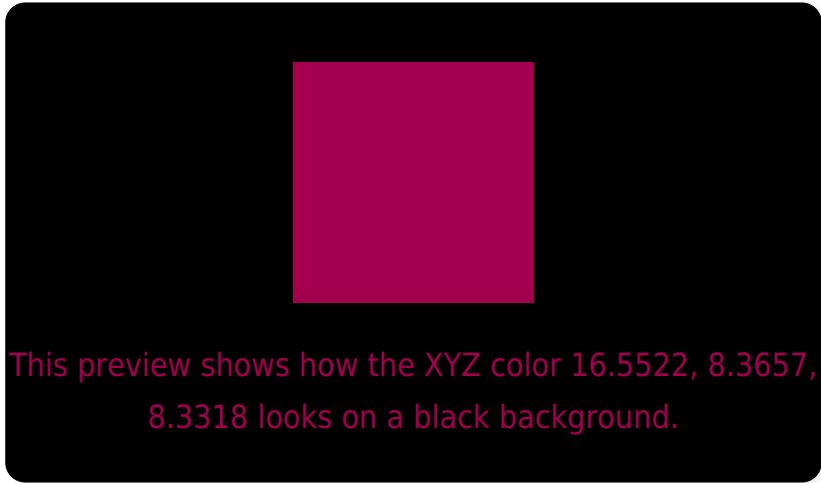
Large Text (above 18pt) WCAG AA ✓ Pass

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

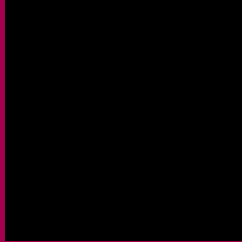
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5522, 8.3657, 8.3318

Background



This preview shows how black text looks on a background with the XYZ color 16.5522, 8.3657, 8.3318.



This preview shows how white text looks on a background with the XYZ color 16.5522, 8.3657,

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

16.5522, 8.3657, 8.3318

Protanopia

9.2244, 9.0975, 17.7928

Deuteranopia

9.1497, 9.0570, 7.5693



Tritanopia

15.4752, 8.7144, 2.2329

Trichromacy



Original Color

16.5522, 8.3657, 8.3318

Protanomaly

9.7847, 6.6513, 13.6001

Deuteranomaly

10.4177, 7.0427, 7.6478

Tritanomaly

15.7048, 8.4034, 3.7000

Monochromacy



Original Color

16.5522, 8.3657, 8.3318

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.4688, 4.2033, 5.6246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5522, 8.3657, 8.3318 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, 0, 80)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 80)  
}
```

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, 0, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 80) }
```

Border

The CSS property to change the border of an element to XYZ 16.5522, 8.3657, 8.3318 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, 0, 80) }
```


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

```
.border{ border-color:rgb(163, 0, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 0, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(163, 0, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5522, 8.3657, 8.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 80) }
```

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

```
.background{ background-color: rgb(163, 0,  
80) }
```

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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