

Converting Colors

XYZ(16.0870, 8.1245, 8.3701)

Have a look what the booklet for
XYZ(16.0870, 8.1245, 8.3701)
contains.

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Color

**XYZ(16.1459, 8.1563,
8.3127)**

Conversions

Conversions Part 1

Format	Color
Hex	A10050
RGB	161, 0, 80
RGB Percent	63%, 0%, 31%
CMY	0.3686, 0.9999, 0.6863
CMYK	0.00, 1.00, 0.50, 0.37
HSL	330°, 100%, 32%
HSV	330°, 100%, 63%
XYZ	16.1459, 8.1563, 8.3127
YIQ	57.2590, 70.2760, 59.0120

Conversions

Conversions Part 2

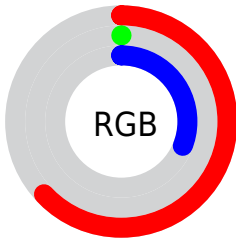
Format	Color
R_{YB}	161, 0, 80
Decimal	10551376
CIE _{Lab}	34.31, 60.08, 1.89
CIE _{LCh}	34, 60.106, 1.802
Yxy	8.1563, 0.4950, 0.2501
Android (android.graphics.Color)	4288741456 (0xFFA10050)
YUV	57.2590, 11.2113, 90.9809
Hunter-Lab	28.5592, 50.9359, 2.7340

Details

The XYZ color **16.1459, 8.1563, 8.3127** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **14.2313, 26.0842, 12.0744**, and the grayscale version is **3.9042, 4.1075, 4.4731**.

A 20% lighter version of the original color is **36.4351, 22.2649, 23.1461**, and **5.9120, 3.0109, 1.9386** is the 20% darker color. If you saturate the color by 10%, you get **16.1453, 8.1560, 8.3101**, and if you desaturate by 10%, it is **16.6507, 8.6576, 10.0480**.

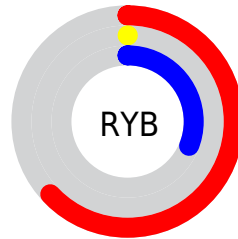
Distribution



Red (63%)

Green (0%)

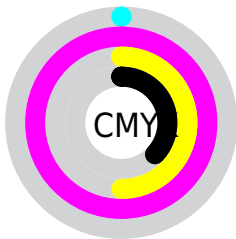
Blue (31%)



Red (63%)

Yellow (0%)

Blue (31%)

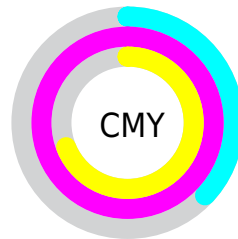


Cyan (0%)

Magenta (100%)

Yellow (50%)

Black (37%)



Cyan (37%)


Magenta (100%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.1459, 8.1563, 8.3127 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 16.1459, 8.1563, 8.3127 by changing the saturation by 10% instead.


 16.1459, 8.1563,
8.3127


 16.1459, 8.1563,
8.3127


223.4546,
176.9528, 188.1897


 9.7190, 4.1951,
4.2051


 36.4067, 22.2643,
23.1254


 5.2738, 1.7833,
1.7385

 50.9713, 33.1799,
34.6676


 2.4452, 0.4767,
0.3869

 68.9791, 47.1824,
49.5250

 0.8677, 0.0000,
0.0000


 90.7956, 64.6563,
68.1162

 0.0000, 0.0000,
0.0000

 116.7860, 85.9859,
90.8597


 147.3157,

111.5555, 118.1741


 182.7502,
141.7497, 150.4780


 16.1459, 8.1563,
8.3127


 16.1459, 8.1563,
8.3127


 16.1453, 8.1560,
8.3101

 16.6507, 8.6576,
10.0480

 17.3412, 9.4705,
12.0293

 18.2824, 10.7234,
14.2840

 19.5026, 12.4710,
16.8270

 21.0262, 14.7601,
19.6716

■ 22.8745, 17.6321,
22.8301

■ 25.0670, 21.1241,
26.3138

■ 27.6215, 25.2703,
30.1333

■ 30.5544, 30.1022,
34.2986

Harmonies

Analogous

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



14.9350, 8.1563, 20.7732



16.1459, 8.1563, 8.3127



14.6232, 8.1563, 2.2718

Triad

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



16.1459, 8.1563, 8.3127



4.8271, 8.1563, 0.5639



5.0877, 8.1563, 37.1135

Complementary

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



16.1459, 8.1563, 8.3127



14.2313, 26.0842, 12.0744

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.



3.4628, 8.1563, 22.5964



16.1459, 8.1563, 8.3127



3.3457, 8.1563, 2.7017

Square

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



16.1459, 8.1563, 8.3127



7.5513, 8.1563, 0.0000



2.9292, 8.1563, 9.4743



7.9569, 8.1563, 43.0674

Rectangle

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



16.1459, 8.1563, 8.3127



12.4612, 8.1563, 0.8328



2.9292, 8.1563, 9.4743



4.4101, 8.1563, 32.7269

Sweetspot

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



16.1461, 8.1568, 8.3128



44.6481, 37.4376, 46.7481



9.7850, 4.3017, 34.0326



9.4390, 7.6456, 9.7004



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.



16.1461, 8.1568, 8.3128



28.8156, 14.5670, 14.3587



14.6983, 7.5777, 0.6887



7.2136, 7.1419, 8.1113



12.9154, 6.5222, 6.7454



0.2952, 0.1466, 0.2674

Inverse Universe

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



16.1461, 8.1568, 8.3128



28.8156, 14.5670, 14.3587



19.1781, 28.0630, 38.1239



7.2136, 7.1419, 8.1113



12.9154, 6.5222, 6.7454



0.2952, 0.1466, 0.2674

Previews

White Background



This preview shows how the XYZ color 16.1459, 8.1563, 8.3127 looks on a white background.

Color Contrast Check

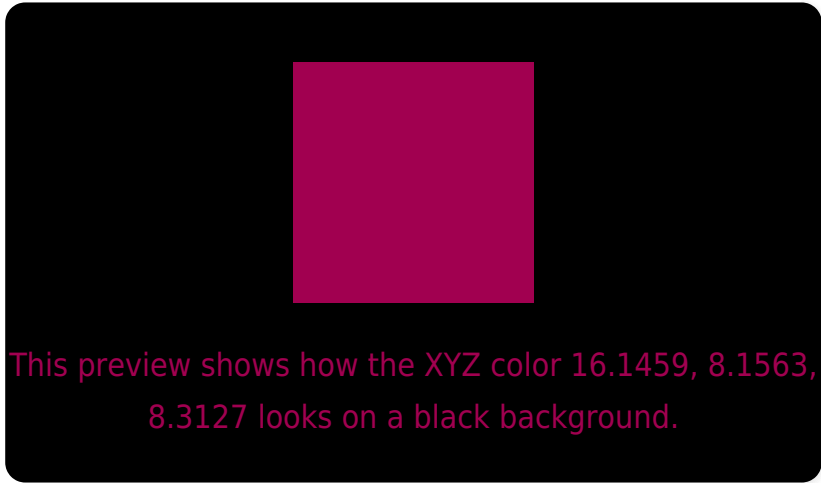
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1459, 8.1563, 8.3127

Background



This preview shows how black text looks on a background with the XYZ color 16.1459, 8.1563, 8.3127.



This preview shows how white text looks on a background with the XYZ color 16.1459, 8.1563,

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

16.1459, 8.1563, 8.3127

Protanopia

9.0697, 8.9033, 17.7635

Deuteranopia

8.9689, 8.8527, 7.5394



Tritanopia

15.0753, 8.5082, 2.2142

Trichromacy



Original Color

16.1459, 8.1563, 8.3127

Protanomaly

9.6651, 6.5896, 13.5945

Deuteranomaly

10.2782, 6.9709, 7.6413

Tritanomaly

15.3017, 8.1956, 3.6812

Monochromacy



Original Color

16.1459, 8.1563, 8.3127

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.3043, 4.0763, 5.4556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1459, 8.1563, 8.3127 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(161, 0, 80)` looks like.

```
.text, #text, p{  
  color:rgb(161, 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(161, 0, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 0, 80) }
```

Border

The CSS property to change the border of an element to XYZ 16.1459, 8.1563, 8.3127 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(161, 0, 80) }
```


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

```
.border{ border-color:rgb(161, 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(161, 0, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(161, 0, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.1459, 8.1563, 8.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 0, 80) }
```

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

```
.background{ background-color: rgb(161, 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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