

Converting Colors

XYZ(16.6151, 8.5189, 2.8792)

Have a look what the booklet for
XYZ(16.6151, 8.5189, 2.8792)
contains.

XYZ(16.5487, 8.4849, 2.8634)	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(16.5487, 8.4849,
2.8634)**

Conversions

Conversions Part 1

Format	Color
Hex	A80029
RGB	168, 0, 41
RGB Percent	66%, 0%, 16%
CMY	0.3412, 0.9999, 0.8392
CMYK	0.00, 1.00, 0.76, 0.34
HSL	345°, 100%, 33%
HSV	345°, 100%, 66%
XYZ	16.5487, 8.4849, 2.8634
YIQ	54.9060, 86.9670, 48.3670

Conversions

Conversions Part 2

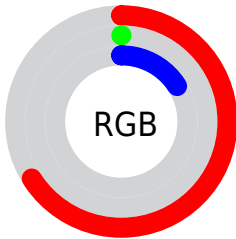
Format	Color
RYB	168, 0, 41
Decimal	11010089
CIELab	34.97, 59.49, 28.41
CIELCh	35, 65.922, 25.528
Yxy	8.4849, 0.5932, 0.3042
Android (android.graphics.Color)	4289200169 (0xFFA80029)
YUV	54.9060, -6.8557, 99.1834
Hunter-Lab	29.1289, 50.4340, 14.5619

Details

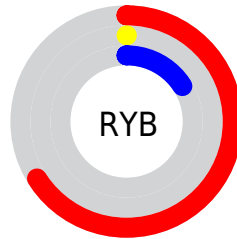
The XYZ color **16.5487, 8.4849, 2.8634** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.8352, 29.5382, 24.8484**, and the grayscale version is **3.6219, 3.8105, 4.1496**.

A 20% lighter version of the original color is **36.9667, 22.8026, 11.2571**, and **6.0634, 3.1258, 0.2838** is the 20% darker color. If you saturate the color by 10%, you get **16.5483, 8.4848, 2.8617**, and if you desaturate by 10%, it is **17.0050, 8.9838, 4.2913**.

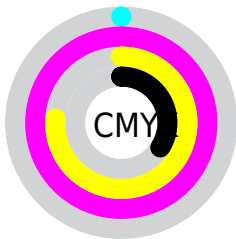
Distribution



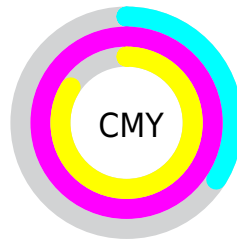
- Red (66%)
- Green (0%)
- Blue (16%)



- Red (66%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (34%)




- Cyan (34%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5487, 8.4849, 2.8634 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 16.5487, 8.4849, 2.8634 by changing the saturation by 10% instead.


 16.5487, 8.4849,
2.8634


 16.5487, 8.4849,
2.8634


225.7654,
179.4874, 134.6014


 10.0066, 4.4068,
1.0253


 37.0980, 22.9037,
11.2895


 5.4656, 1.9036,
0.0000

 51.8358, 34.0131,
18.7145


 2.5605, 0.5505,
0.0000

 70.0363, 48.2352,
28.8390

 0.9259, 0.0000,
0.0000


 92.0648, 65.9541,
42.0814


 0.0000, 0.0000,
0.0000

 118.2865, 87.5544,
58.8603


 149.0670,


113.4205, 79.5943


 184.7715,
143.9367, 104.7018


 16.5487, 8.4849,
2.8634


 16.5487, 8.4849,
2.8634


 16.5483, 8.4848,
2.8617

 17.0050, 8.9838,
4.2913

 17.7051, 9.8457,
6.1842

 18.7224, 11.2086,
8.5941

 20.0923, 13.1353,
11.5576

 21.8453, 15.6792,
15.1079

■ 24.0084, 18.8876,
19.2752

■ 26.6062, 22.8029,
24.0877

■ 29.6611, 27.4643,
29.5718

■ 33.1943, 32.9077,
35.7524

Harmonies

Analogous

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



17.6823, 8.4849, 10.9563



16.5487, 8.4849, 2.8634



12.9106, 8.4849, 0.4161

Triad

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



16.5487, 8.4849, 2.8634



3.4384, 8.4849, 1.7604



7.5118, 8.4849, 49.3280

Complementary

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



16.5487, 8.4849, 2.8634



17.8352, 29.5382, 24.8484

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.



4.6142, 8.4849, 39.1607



16.5487, 8.4849, 2.8634



2.7765, 8.4849, 7.7105

Square

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



16.5487, 8.4849, 2.8634



5.3234, 8.4849, 0.0568



3.1276, 8.4849, 21.4061



11.6149, 8.4849, 43.5618

Rectangle

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



16.5487, 8.4849, 2.8634



10.0182, 8.4849, 0.0000



3.1276, 8.4849, 21.4061



6.3831, 8.4849, 47.5285

Sweetspot

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



16.5489, 8.4854, 2.8635



47.9927, 40.9420, 43.1848



15.6732, 7.2638, 37.6216



10.0289, 8.2713, 8.6197



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.



16.5489, 8.4854, 2.8635



29.9578, 15.3683, 4.8157



16.9771, 9.9821, 1.0327



7.6034, 7.5712, 8.2285



12.5143, 6.4144, 2.2539



0.3240, 0.1639, 0.1575

Inverse Universe

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



16.5489, 8.4854, 2.8635



29.9578, 15.3683, 4.8157



14.5298, 17.7506, 39.7060



7.6034, 7.5712, 8.2285



12.5143, 6.4144, 2.2539



0.3240, 0.1639, 0.1575

Previews

White Background



This preview shows how the XYZ color 16.5487, 8.4849, 2.8634 looks on a white background.

Color Contrast Check

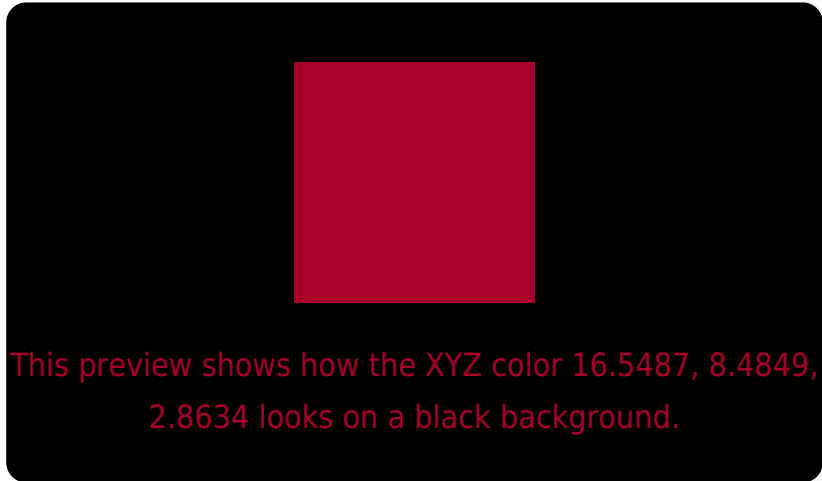
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5487, 8.4849, 2.8634

Background



This preview shows how black text looks on a background with the XYZ color 16.5487, 8.4849, 2.8634.



This preview shows how white text looks on a background with the XYZ color 16.5487, 8.4849,

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

16.5487, 8.4849, 2.8634

Protanopia

8.5316, 9.1201, 5.8681

Deuteranopia

9.1336, 9.0480, 2.5614



Tritanopia

16.1916, 8.6383, 1.1011

Trichromacy



Original Color

16.5487, 8.4849, 2.8634

Protanomaly

9.7307, 6.8977, 4.3086

Deuteranomaly

10.5846, 7.2445, 2.4306

Tritanomaly

16.1914, 8.5090, 1.4985

Monochromacy



Original Color

16.5487, 8.4849, 2.8634

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.0006, 3.9191, 3.4578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5487, 8.4849, 2.8634 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(168, 0, 41)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 41)  
}
```

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(168, 0, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 41) }
```

Border

The CSS property to change the border of an element to XYZ 16.5487, 8.4849, 2.8634 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(168, 0, 41) }
```


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

```
.border{ border-color:rgb(168, 0, 41) }
```

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

Here you see how a box with a 4 pixel rgb(168, 0, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 41)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5487, 8.4849, 2.8634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 41) }
```

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

```
.background{ background-color: rgb(168, 0,  
41) }
```

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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