

Converting Colors

XYZ(16.4993, 8.5058, 6.1487)

Have a look what the booklet for
XYZ(16.4993, 8.5058, 6.1487)
contains.

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Color

**XYZ(16.3989, 8.4497,
6.0768)**

Conversions

Conversions Part 1

Format	Color
Hex	A40743
RGB	164, 7, 67
RGB Percent	64%, 3%, 26%
CMY	0.3569, 0.9724, 0.7373
CMYK	0.00, 0.96, 0.59, 0.36
HSL	337°, 92%, 34%
HSV	337°, 96%, 64%
XYZ	16.3989, 8.4497, 6.0768
YIQ	60.7830, 74.3120, 51.9440

Conversions

Conversions Part 2

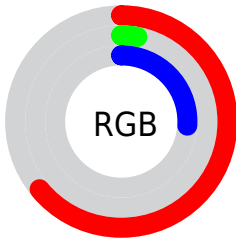
Format	Color
RYB	164, 7, 67
Decimal	10749763
CIELab	34.90, 58.95, 11.33
CIElCh	35, 60.025, 10.882
Yxy	8.4497, 0.5303, 0.2732
Android (android.graphics.Color)	4288939843 (0xFFA40743)
YUV	60.7830, 3.0650, 90.5213
Hunter-Lab	29.0684, 49.8310, 7.9532

Details

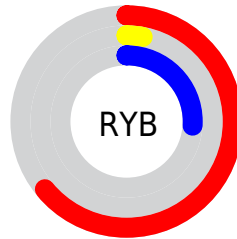
The XYZ color **16.3989, 8.4497, 6.0768** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.8633, 27.5960, 17.5938**, and the grayscale version is **4.3952, 4.6241, 5.0356**.

A 20% lighter version of the original color is **36.9418, 22.8373, 18.6806**, and **6.0012, 3.0734, 1.1966** is the 20% darker color. If you saturate the color by 10%, you get **16.1974, 8.2475, 5.3910**, and if you desaturate by 10%, it is **16.9689, 9.0600, 7.9004**.

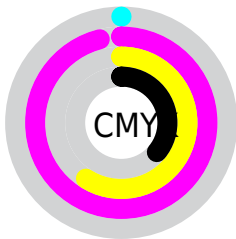
Distribution



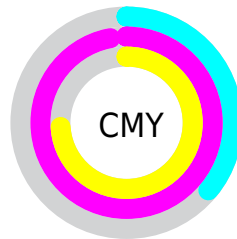
- Red (64%)
- Green (3%)
- Blue (26%)



- Red (64%)
- Yellow (3%)
- Blue (26%)



- Cyan (0%)
- Magenta (96%)
- Yellow (59%)
- Black (36%)




- Cyan (36%)
- Magenta (97%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3989, 8.4497, 6.0768 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 16.3989, 8.4497, 6.0768 by changing the saturation by 10% instead.


 16.3989, 8.4497,
6.0768


 16.3989, 8.4497,
6.0768


224.9086,
179.2179, 169.0845


 9.8995, 4.3840,
2.8223


 36.8412, 22.8354,
18.5705

 5.3941, 1.8906,
1.0046

 51.5148, 33.9243,
28.6468


 2.5174, 0.5427,
0.0000

 69.6439, 48.1230,
41.8341

 0.9041, 0.0000,
0.0000

 91.5938, 65.8159,
58.5509

 0.0000, 0.0000,
0.0000

 117.7299, 87.3875,
79.2158

 148.4175,

113.2220, 104.2474

184.0219,
143.7041, 134.0641

■ 16.3989, 8.4497,
6.0768

■ 16.3989, 8.4497,
6.0768

■ 16.1974, 8.2475,
5.3910

■ 16.9689, 9.0600,
7.9004

■ 17.7939, 10.0908,
10.0843

■ 18.9113, 11.6133,
12.6527

■ 20.3499, 13.6813,
15.6265

■ 22.1347, 16.3416,
19.0246

■ 24.2881, 19.6358,
22.8646

■ 26.8308, 23.6018,
27.1629

■ 29.7816, 28.2745,
31.9350

■ 33.1581, 33.6862,
37.1956

Harmonies

Analogous

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



16.0077, 8.4497, 16.8713



16.3989, 8.4497, 6.0768



14.1166, 8.4497, 1.5504

Triad

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



16.3989, 8.4497, 6.0768



4.4434, 8.4497, 1.0360



6.0600, 8.4497, 41.0458

Complementary

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



16.3989, 8.4497, 6.0768



15.8633, 27.5960, 17.5938

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.



4.0074, 8.4497, 27.9118



16.3989, 8.4497, 6.0768



3.2744, 8.4497, 4.2992

Square

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



16.3989, 8.4497, 6.0768



6.8500, 8.4497, 0.0861



3.1415, 8.4497, 13.2441



9.3410, 8.4497, 42.9770

Rectangle

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



16.3989, 8.4497, 6.0768



11.6846, 8.4497, 0.5410



3.1415, 8.4497, 13.2441



5.2318, 8.4497, 37.5087

Sweetspot

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



16.3991, 8.4502, 6.0769



46.8497, 39.9366, 46.2178



12.4658, 5.7655, 35.5775



9.8393, 8.1034, 9.4201



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.



16.3991, 8.4502, 6.0769



29.3068, 14.9330, 9.2882



15.7031, 8.6177, 1.0375



7.1805, 7.1287, 7.9371



12.4413, 6.3326, 4.2484



0.2840, 0.1421, 0.2083

Inverse Universe

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



16.3991, 8.4502, 6.0769



29.3068, 14.9330, 9.2882



17.0193, 23.1867, 38.7002



7.1805, 7.1287, 7.9371



12.4413, 6.3326, 4.2484



0.2840, 0.1421, 0.2083

Previews

White Background



This preview shows how the XYZ color 16.3989, 8.4497, 6.0768 looks on a white background.

Color Contrast Check

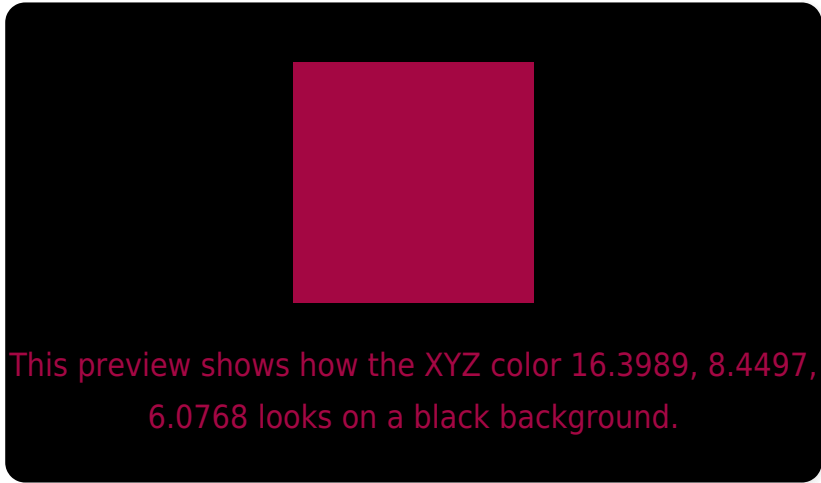
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3989, 8.4497, 6.0768

Background



This preview shows how black text looks on a background with the XYZ color 16.3989, 8.4497, 6.0768.



This preview shows how white text looks on a background with the XYZ color 16.3989, 8.4497,

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

16.3989, 8.4497, 6.0768

Protanopia

8.8077, 8.9976, 12.5817

Deuteranopia

9.0136, 8.9204, 5.5217



Tritanopia

15.6826, 8.6450, 1.8194

Trichromacy



Original Color

16.3989, 8.4497, 6.0768

Protanomaly

9.7760, 6.9450, 9.6294

Deuteranomaly

10.3847, 7.2082, 5.5466

Tritanomaly

15.7547, 8.4469, 2.8979

Monochromacy



Original Color

16.3989, 8.4497, 6.0768

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

6.7271, 4.5414, 5.2246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3989, 8.4497, 6.0768 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(164, 7, 67)` looks like.

```
.text, #text, p{  
  color:rgb(164, 7, 67)  
}
```

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(164, 7, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 7, 67) }
```

Border

The CSS property to change the border of an element to XYZ 16.3989, 8.4497, 6.0768 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(164, 7, 67) }
```


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

```
.border{ border-color:rgb(164, 7, 67) }
```

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

Here you see how a box with a 4 pixel rgb(164, 7, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 7, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 7, 67);  
box-shadow:4px 4px 4px 4px rgb(164, 7, 67)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3989, 8.4497, 6.0768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 7, 67) }
```

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

```
.background{ background-color: rgb(164, 7,  
67) }
```

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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