

Converting Colors

XYZ(15.0578, 5.6009, 3.6251)

Have a look what the booklet for
XYZ(15.0578, 5.6009, 3.6251)
contains.

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Color

**XYZ(16.3685, 8.3640,
4.1199)**

Conversions

Conversions Part 1

Format	Color
Hex	A60035
RGB	166, 0, 53
RGB Percent	65%, 0%, 21%
CMY	0.3490, 0.9999, 0.7922
CMYK	0.00, 1.00, 0.68, 0.35
HSL	341°, 100%, 33%
HSV	341°, 100%, 65%
XYZ	16.3685, 8.3640, 4.1199
YIQ	55.6760, 81.9230, 51.6750

Conversions

Conversions Part 2

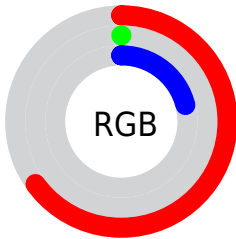
Format	Color
R_{YB}	166, 0, 53
Decimal	10879029
CIE Lab	34.73, 59.52, 20.32
CIE LCh	35, 62.891, 18.852
Yxy	8.3640, 0.5673, 0.2899
Android (android.graphics.Color)	4289069109 (0xFFA60035)
YUV	55.6760, -1.3193, 96.7541
Hunter-Lab	28.9206, 50.4166, 11.7982

Details

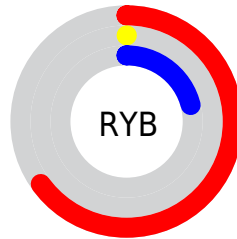
The XYZ color **16.3685, 8.3640, 4.1199** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.6184, 28.4652, 20.2481**, and the grayscale version is **3.7132, 3.9066, 4.2542**.

A 20% lighter version of the original color is **36.9009, 22.7026, 14.2415**, and **5.9986, 3.0861, 0.5667** is the 20% darker color. If you saturate the color by 10%, you get **16.3681, 8.3639, 4.1180**, and if you desaturate by 10%, it is **16.8545, 8.8699, 5.7194**.

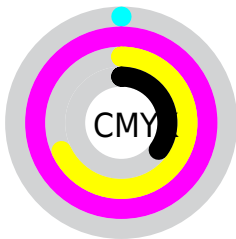
Distribution



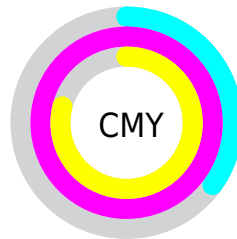
- Red (65%)
- Green (0%)
- Blue (21%)



- Red (65%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (68%)
- Black (35%)



- Cyan (35%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3685, 8.3640, 4.1199 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 16.3685, 8.3640, 4.1199 by changing the saturation by 10% instead.


 16.3685, 8.3640,
4.1199


 16.3685, 8.3640,
4.1199


224.7343,
178.5598, 149.5489


 9.8778, 4.3287,
1.6913


 36.7891, 22.6690,
14.2854


 5.3796, 1.8591,
0.3548

 51.4496, 33.7075,
22.8593


 2.5087, 0.5236,
0.0000

 69.5642, 47.8492,
34.3189

 0.8997, 0.0000,
0.0000

 91.4981, 65.4786,
49.0825

 0.0000, 0.0000,
0.0000

 117.6167, 86.9799,
67.5688

 148.2854,

112.7376, 90.1963

183.8695,
143.1361, 117.3834

16.3685, 8.3640,
4.1199

16.3685, 8.3640,
4.1199

16.3681, 8.3639,
4.1180

16.8545, 8.8699,
5.7194

17.5667, 9.7234,
7.7164

18.5753, 11.0597,
10.1522

19.9133, 12.9389,
13.0544

21.6087, 15.4122,
16.4478

■ 23.6865, 18.5251,
20.3554

■ 26.1695, 22.3184,
24.7984

■ 29.0785, 26.8295,
29.7969

■ 32.4329, 32.0931,
35.3700

Harmonies

Analogous

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



16.7576, 8.3640, 13.4579



16.3685, 8.3640, 4.1199



13.3715, 8.3640, 0.8754

Triad

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



16.3685, 8.3640, 4.1199



3.8224, 8.3640, 1.3319



6.6958, 8.3640, 45.1765

Complementary

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



16.3685, 8.3640, 4.1199



16.6184, 28.4652, 20.2481

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.



4.2365, 8.3640, 33.3550



16.3685, 8.3640, 4.1199



2.9402, 8.3640, 5.8122

Square

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



16.3685, 8.3640, 4.1199



5.9329, 8.3640, 0.0252



3.0648, 8.3640, 17.0436



10.3785, 8.3640, 43.2187

Rectangle

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



16.3685, 8.3640, 4.1199



10.6902, 8.3640, 0.0855



3.0648, 8.3640, 17.0436



5.7229, 8.3640, 42.4625

Sweetspot

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



16.3687, 8.3645, 4.1200



47.2172, 40.0778, 44.5190



13.3978, 6.1121, 36.5498



10.1408, 8.3160, 9.2089



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.



16.3687, 8.3645, 4.1200



29.6209, 15.1454, 7.0222



16.1338, 8.9227, 0.8726



7.6261, 7.5803, 8.3483



12.7119, 6.4935, 3.2947



0.3324, 0.1672, 0.2017

Inverse Universe

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



16.3687, 8.3645, 4.1200



29.6209, 15.1454, 7.0222



16.0201, 21.0271, 39.2905



7.6261, 7.5803, 8.3483



12.7119, 6.4935, 3.2947



0.3324, 0.1672, 0.2017

Previews

White Background



This preview shows how the XYZ color 16.3685, 8.3640, 4.1199 looks on a white background.

Color Contrast Check

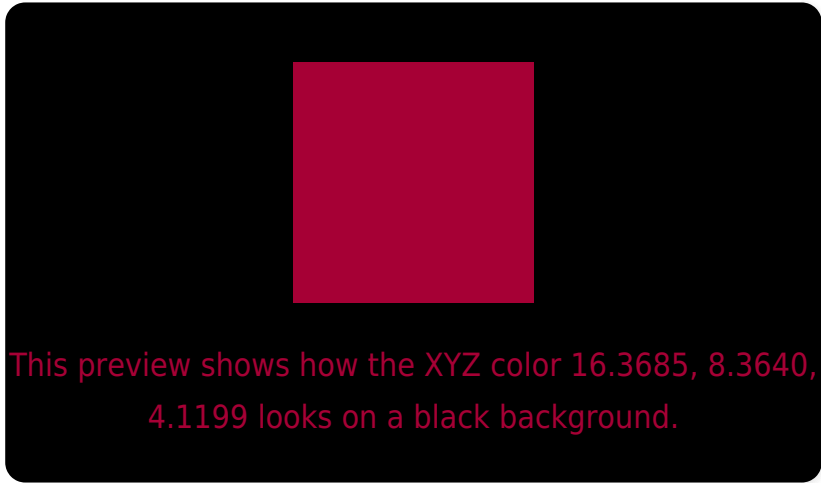
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3685, 8.3640, 4.1199

Background



This preview shows how black text looks on a background with the XYZ color 16.3685, 8.3640, 4.1199.



This preview shows how white text looks on a background with the XYZ color 16.3685, 8.3640,

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

16.3685, 8.3640, 4.1199

Protanopia

8.5700, 8.9654, 8.4865

Deuteranopia

9.1250, 9.0174, 3.7422



Tritanopia

15.8944, 8.5793, 1.3905

Trichromacy



Original Color

16.3685, 8.3640, 4.1199

Protanomaly

9.5497, 6.6889, 6.4180

Deuteranomaly

10.5139, 7.1814, 3.6283

Tritanomaly

15.9083, 8.3861, 2.0765

Monochromacy



Original Color

16.3685, 8.3640, 4.1199

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.1443, 4.0244, 4.0674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3685, 8.3640, 4.1199 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(166, 0, 53)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 53)  
}
```

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(166, 0, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 53) }
```

Border

The CSS property to change the border of an element to XYZ 16.3685, 8.3640, 4.1199 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(166, 0, 53) }
```


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

```
.border{ border-color:rgb(166, 0, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 0, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3685, 8.3640, 4.1199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 53) }
```

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

```
.background{ background-color: rgb(166, 0,  
53) }
```

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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