

Converting Colors

XYZ(15.6001, 6.7724, 4.6251)

Have a look what the booklet for
XYZ(15.6001, 6.7724, 4.6251)
contains.

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Color

**XYZ(16.3065, 8.3151,
4.8832)**

Conversions

Conversions Part 1

Format	Color
Hex	A5003B
RGB	165, 0, 59
RGB Percent	65%, 0%, 23%
CMY	0.3529, 0.9999, 0.7686
CMYK	0.00, 1.00, 0.64, 0.35
HSL	339°, 100%, 32%
HSV	339°, 100%, 65%
XYZ	16.3065, 8.3151, 4.8832
YIQ	56.0610, 79.4010, 53.3290

Conversions

Conversions Part 2

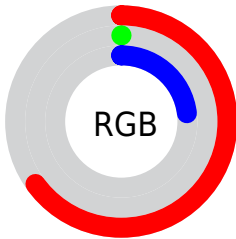
Format	Color
R_{YB}	165, 0, 59
Decimal	10813499
CIE _{Lab}	34.63, 59.59, 16.24
CIE _{LCh}	35, 61.765, 15.241
Yxy	8.3151, 0.5527, 0.2818
Android (android.graphics.Color)	4289003579 (0xFFA5003B)
YUV	56.0610, 1.4489, 95.5395
Hunter-Lab	28.8359, 50.4776, 10.1447

Details

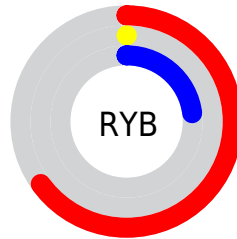
The XYZ color **16.3065, 8.3151, 4.8832** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.0582, 27.9515, 18.1911**, and the grayscale version is **3.7595, 3.9552, 4.3073**.

A 20% lighter version of the original color is **36.6194, 22.5171, 16.0518**, and **5.9349, 3.0469, 0.8476** is the 20% darker color. If you saturate the color by 10%, you get **16.3060, 8.3149, 4.8811**, and if you desaturate by 10%, it is **16.8031, 8.8228, 6.5460**.

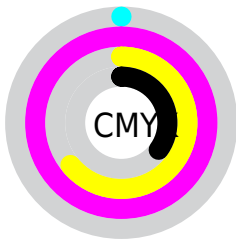
Distribution



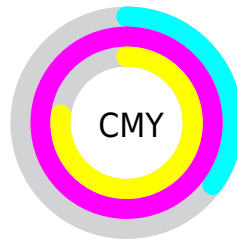
- Red (65%)
- Green (0%)
- Blue (23%)



- Red (65%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (35%)




- Cyan (35%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3065, 8.3151, 4.8832 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 16.3065, 8.3151, 4.8832 by changing the saturation by 10% instead.


 16.3065, 8.3151,
4.8832


 16.3065, 8.3151,
4.8832


224.3786,
178.1830, 157.5875


 9.8335, 4.2972,
2.1214


 36.6827, 22.5739,
16.0003


 5.3501, 1.8412,
0.6284

 51.3165, 33.5836,
25.1926


 2.4910, 0.5126,
0.0000

 69.4014, 47.6927,
37.3655

 0.8907, 0.0000,
0.0000

 91.3027, 65.2856,
52.9375

 0.0000, 0.0000,
0.0000

 117.3857, 86.7467,
72.3272

 148.0158,

112.4603, 95.9530

183.5583,
142.8110, 124.2336

16.3065, 8.3151,
4.8832

16.3065, 8.3151,
4.8832

16.3060, 8.3149,
4.8811

16.8031, 8.8228,
6.5460

17.5170, 9.6706,
8.5722

18.5173, 10.9920,
10.9992

19.8356, 12.8462,
13.8507

21.4991, 15.2834,
17.1484

■ 23.5319, 18.3479,
20.9122

■ 25.9560, 22.0801,
25.1607

■ 28.7913, 26.5164,
29.9112

■ 32.0567, 31.6910,
35.1804

Harmonies

Analogous

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



16.3302, 8.3151, 14.8853



16.3065, 8.3151, 4.8832



13.6324, 8.3151, 1.1154

Triad

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



16.3065, 8.3151, 4.8832



4.0318, 8.3151, 1.1439



6.3140, 8.3151, 43.2529

Complementary

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



16.3065, 8.3151, 4.8832



16.0582, 27.9515, 18.1911

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.



4.0573, 8.3151, 30.7041



16.3065, 8.3151, 4.8832



3.0282, 8.3151, 4.9873

Square

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



16.3065, 8.3151, 4.8832



6.2673, 8.3151, 0.0080



3.0359, 8.3151, 15.1036



9.8017, 8.3151, 43.1345

Rectangle

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



16.3065, 8.3151, 4.8832



11.0599, 8.3151, 0.2531



3.0359, 8.3151, 15.1036



5.4128, 8.3151, 40.1193

Sweetspot

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



16.3067, 8.3156, 4.8833



46.2210, 39.1335, 44.6078



12.5600, 5.6907, 36.0337



9.7111, 7.9465, 9.0701



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.



16.3067, 8.3156, 4.8833



29.1145, 14.8561, 8.2753



15.8045, 8.5740, 0.8227



7.1735, 7.1259, 7.9001



12.3578, 6.2992, 3.8086



0.2816, 0.1411, 0.1956

Inverse Universe

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



16.3067, 8.3156, 4.8833



29.1145, 14.8561, 8.2753



16.6147, 22.3626, 39.0379



7.1735, 7.1259, 7.9001



12.3578, 6.2992, 3.8086



0.2816, 0.1411, 0.1956

Previews

White Background



This preview shows how the XYZ color 16.3065, 8.3151, 4.8832 looks on a white background.

Color Contrast Check

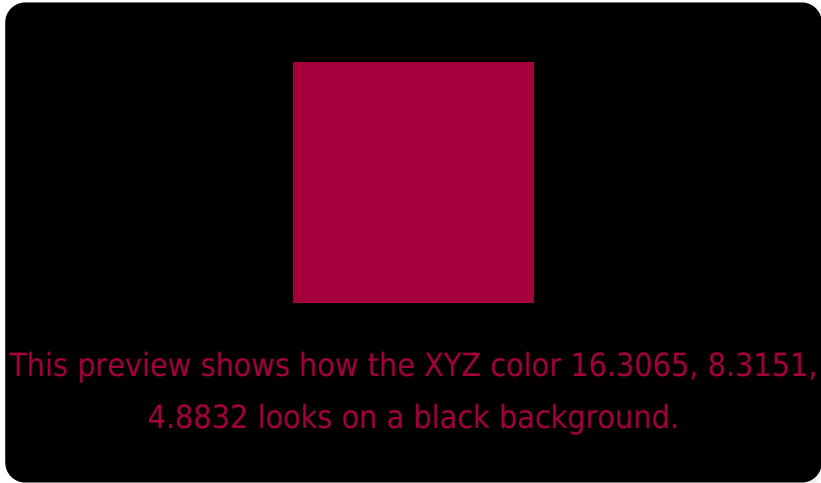
Large Text (above 18pt) WCAG AA ✓ Pass

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

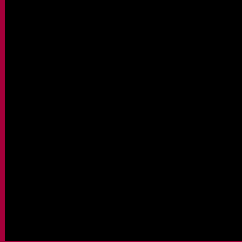
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3065, 8.3151, 4.8832

Background



This preview shows how black text looks on a background with the XYZ color 16.3065, 8.3151, 4.8832.



This preview shows how white text looks on a background with the XYZ color 16.3065, 8.3151,

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

16.3065, 8.3151, 4.8832

Protanopia

8.6369, 8.9601, 10.2911

Deuteranopia

9.0418, 8.9576, 4.5012



Tritanopia

15.7718, 8.5999, 1.5381

Trichromacy



Original Color

16.3065, 8.3151, 4.8832

Protanomaly

9.5521, 6.6594, 7.8031

Deuteranomaly

10.3750, 7.0918, 4.4365

Tritanomaly

15.7840, 8.3555, 2.3710

Monochromacy



Original Color

16.3065, 8.3151, 4.8832

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.1933, 4.0440, 4.3250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3065, 8.3151, 4.8832 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(165, 0, 59)` looks like.

```
.text, #text, p{  
    color:rgb(165, 0, 59)  
}
```

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(165, 0, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 0, 59) }
```

Border

The CSS property to change the border of an element to XYZ 16.3065, 8.3151, 4.8832 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(165, 0, 59) }
```


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

```
.border{ border-color:rgb(165, 0, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 0, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 0, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 0, 59);  
box-shadow:4px 4px 4px 4px rgb(165, 0, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3065, 8.3151, 4.8832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 0, 59) }
```

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

```
.background{ background-color: rgb(165, 0,  
59) }
```

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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