

Converting Colors

XYZ(13.9928, 3.8061, 4.6896)

Have a look what the booklet for
XYZ(13.9928, 3.8061, 4.6896)
contains.

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Color

**XYZ(16.2070, 8.2514,
5.4411)**

Conversions

Conversions Part 1

Format	Color
Hex	A4003F
RGB	164, 0, 63
RGB Percent	64%, 0%, 25%
CMY	0.3569, 0.9999, 0.7529
CMYK	0.00, 1.00, 0.62, 0.36
HSL	337°, 100%, 32%
HSV	337°, 100%, 64%
XYZ	16.2070, 8.2514, 5.4411
YIQ	56.2180, 77.5210, 54.3610

Conversions

Conversions Part 2

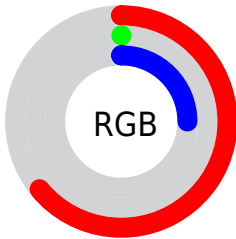
Format	Color
RYB	164, 0, 63
Decimal	10747967
CIELab	34.50, 59.59, 13.40
CIElCh	35, 61.075, 12.678
Yxy	8.2514, 0.5420, 0.2760
Android (android.graphics.Color)	4288938047 (0xFFA4003F)
YUV	56.2180, 3.3435, 94.5248
Hunter-Lab	28.7253, 50.4418, 8.8770

Details

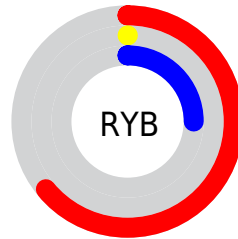
The XYZ color **16.2070, 8.2514, 5.4411** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.6259, 27.4909, 16.8013**, and the grayscale version is **3.7777, 3.9744, 4.3281**.

A 20% lighter version of the original color is **36.5197, 22.4411, 17.1586**, and **5.9705, 3.0612, 1.0352** is the 20% darker color. If you saturate the color by 10%, you get **16.2064, 8.2511, 5.4387**, and if you desaturate by 10%, it is **16.7074, 8.7582, 7.1310**.

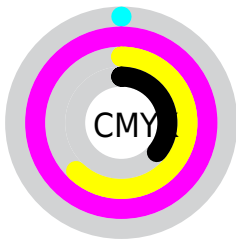
Distribution



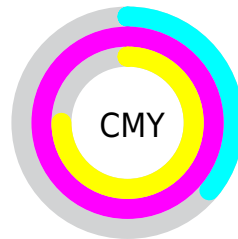
- Red (64%)
- Green (0%)
- Blue (25%)



- Red (64%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (36%)





- Cyan (36%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2070, 8.2514, 5.4411 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 16.2070, 8.2514, 5.4411 by changing the saturation by 10% instead.


 16.2070, 8.2514,
5.4411


 16.2070, 8.2514,
5.4411


223.8066,
177.6908, 163.1030


 9.7625, 4.2562,
2.4451


 36.5117, 22.4498,
17.2165


 5.3028, 1.8179,
0.8108

 51.1027, 33.4219,
26.8330


 2.4626, 0.4983,
0.0000

 69.1399, 47.4884,
39.4934

 0.8764, 0.0000,
0.0000


 90.9887, 65.0336,
55.6162


 0.0000, 0.0000,
0.0000


 117.0144, 86.4421,
75.6201

 147.5823,

112.0982, 99.9235


 183.0580,
142.3863, 128.9449


 16.2070, 8.2514,
5.4411


 16.2070, 8.2514,
5.4411


 16.2064, 8.2511,
5.4387

 16.7074, 8.7582,
7.1310

 17.4180, 9.5982,
9.1595

 18.4068, 10.9038,
11.5614

 19.7048, 12.7328,
14.3583

 21.3383, 15.1348,
17.5698

■ 23.3308, 18.1532,
21.2139

■ 25.7036, 21.8276,
25.3072

■ 28.4762, 26.1938,
29.8657

■ 31.6667, 31.2855,
34.9041

Harmonies

Analogous

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



15.9834, 8.2514, 15.8710



16.2070, 8.2514, 5.4411



13.7658, 8.2514, 1.2965

Triad

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



16.2070, 8.2514, 5.4411



4.1649, 8.2514, 1.0207



6.0368, 8.2514, 41.8161

Complementary

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



16.2070, 8.2514, 5.4411



15.6259, 27.4909, 16.8013

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.



3.9218, 8.2514, 28.8598



16.2070, 8.2514, 5.4411



3.0780, 8.2514, 4.4490

Square

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



16.2070, 8.2514, 5.4411



6.4813, 8.2514, 0.0000



3.0044, 8.2514, 13.8051



9.3825, 8.2514, 42.9313

Rectangle

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



16.2070, 8.2514, 5.4411



11.2797, 8.2514, 0.3652



3.0044, 8.2514, 13.8051



5.1862, 8.2514, 38.4230

Sweetspot

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



16.2072, 8.2519, 5.4412



46.3872, 39.2000, 45.4830



11.7825, 5.3005, 35.5237



9.7506, 7.9623, 9.2779



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.



16.2072, 8.2519, 5.4412



29.3230, 14.9395, 9.3733



15.5015, 8.2758, 0.7811



7.1811, 7.1289, 7.9401



12.4483, 6.3354, 4.2853



0.2842, 0.1422, 0.2093

Inverse Universe

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



16.2072, 8.2519, 5.4412



29.3230, 14.9395, 9.3733



17.2287, 23.7357, 38.7950



7.1811, 7.1289, 7.9401



12.4483, 6.3354, 4.2853



0.2842, 0.1422, 0.2093

Previews

White Background



This preview shows how the XYZ color 16.2070, 8.2514, 5.4411 looks on a white background.

Color Contrast Check

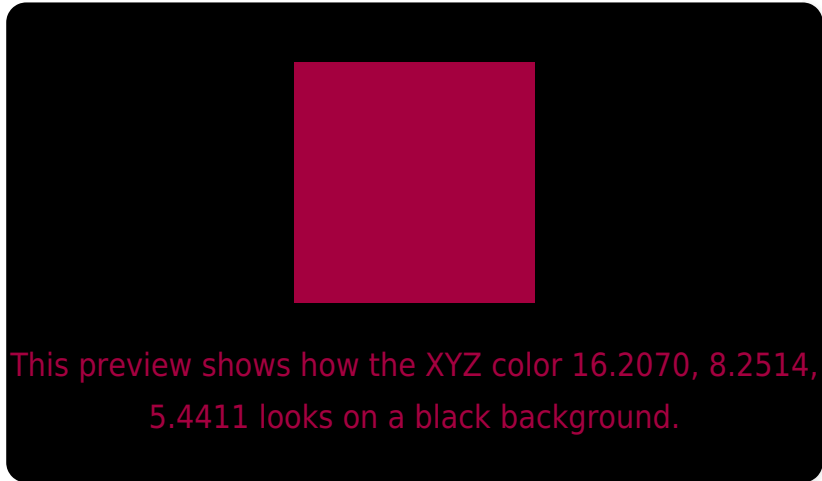
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2070, 8.2514, 5.4411

Background



This preview shows how black text looks on a background with the XYZ color 16.2070, 8.2514, 5.4411.



This preview shows how white text looks on a background with the XYZ color 16.2070, 8.2514,

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

16.2070, 8.2514, 5.4411

Protanopia

8.6694, 8.9524, 11.3963

Deuteranopia

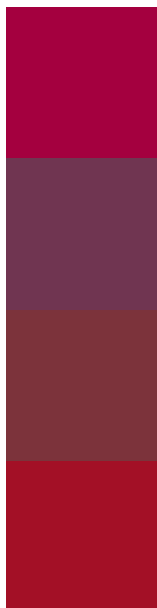
8.9493, 8.7895, 4.9663



Tritanopia

15.6065, 8.5437, 1.6371

Trichromacy



Original Color

16.2070, 8.2514, 5.4411

Protanomaly

9.4404, 6.5850, 8.5581

Deuteranomaly

10.2854, 6.9685, 4.9406

Tritanomaly

15.6394, 8.2971, 2.6109

Monochromacy



Original Color

16.2070, 8.2514, 5.4411

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.1396, 4.0104, 4.5882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2070, 8.2514, 5.4411 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, 0, 63)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 63)  
}
```

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, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 63) }
```

Border

The CSS property to change the border of an element to XYZ 16.2070, 8.2514, 5.4411 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, 0, 63) }
```


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

```
.border{ border-color:rgb(164, 0, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 0, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(164, 0, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.2070, 8.2514, 5.4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 63) }
```

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

```
.background{ background-color: rgb(164, 0,  
63) }
```

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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