

Converting Colors

XYZ(16.2576, 8.2715, 5.7282)

Have a look what the booklet for
XYZ(16.2576, 8.2715, 5.7282)
contains.

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Color

**XYZ(16.2640, 8.2742,
5.7409)**

Conversions

Conversions Part 1

Format	Color
Hex	A40041
RGB	164, 0, 65
RGB Percent	64%, 0%, 25%
CMY	0.3569, 0.9999, 0.7451
CMYK	0.00, 1.00, 0.60, 0.36
HSL	336°, 100%, 32%
HSV	336°, 100%, 64%
XYZ	16.2640, 8.2742, 5.7409
YIQ	56.4460, 76.8790, 54.9830

Conversions

Conversions Part 2

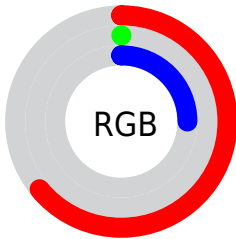
Format	Color
RYB	164, 0, 65
Decimal	10747969
CIELab	34.55, 59.71, 12.16
CIElCh	35, 60.935, 11.506
Yxy	8.2742, 0.5371, 0.2733
Android (android.graphics.Color)	4288938049 (0xFFA40041)
YUV	56.4460, 4.2171, 94.3249
Hunter-Lab	28.7649, 50.5873, 8.3023

Details

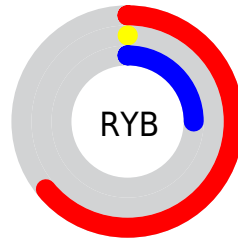
The XYZ color **16.2640, 8.2742, 5.7409** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.5291, 27.4523, 16.2912**, and the grayscale version is **3.8061, 4.0043, 4.3607**.

A 20% lighter version of the original color is **36.6298, 22.4852, 17.7387**, and **5.9804, 3.0651, 1.0870** is the 20% darker color. If you saturate the color by 10%, you get **16.2635, 8.2739, 5.7385**, and if you desaturate by 10%, it is **16.7681, 8.7825, 7.4504**.

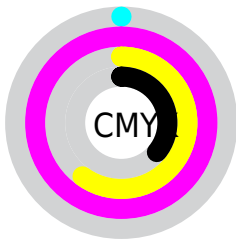
Distribution



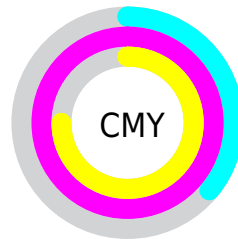
- Red (64%)
- Green (0%)
- Blue (25%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (36%)




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2640, 8.2742, 5.7409 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 16.2640, 8.2742, 5.7409 by changing the saturation by 10% instead.


 16.2640, 8.2742,
5.7409


 16.2640, 8.2742,
5.7409


224.1344,
177.8671, 165.9609


 9.8032, 4.2709,
2.6220


 36.6097, 22.4943,
17.8590


 5.3299, 1.8262,
0.9038

 51.2252, 33.4798,
27.6952


 2.4788, 0.5034,
0.0000

 69.2898, 47.5615,
40.6076

 0.8846, 0.0000,
0.0000

 91.1686, 65.1239,
57.0147

 0.0000, 0.0000,
0.0000

 117.2272, 86.5512,
77.3350

 147.8308,

112.2280, 101.9871

183.3447,
142.5385, 131.3896

16.2640, 8.2742,
5.7409

16.2640, 8.2742,
5.7409

16.2635, 8.2739,
5.7385

16.7681, 8.7825,
7.4504

17.4807, 9.6233,
9.4896

18.4697, 10.9289,
11.8923

19.7658, 12.7572,
14.6794

21.3953, 15.1575,
17.8696

■ 23.3815, 18.1734,
21.4803

■ 25.7455, 21.8443,
25.5276

■ 28.5068, 26.2060,
30.0266

■ 31.6834, 31.2921,
34.9918

Harmonies

Analogous

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



15.9285, 8.2742, 16.4310



16.2640, 8.2742, 5.7409



13.9130, 8.2742, 1.3924

Triad

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



16.2640, 8.2742, 5.7409



4.2520, 8.2742, 0.9741



5.9516, 8.2742, 41.4405

Complementary

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



16.2640, 8.2742, 5.7409



15.5291, 27.4523, 16.2912

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.



3.8857, 8.2742, 28.2315



16.2640, 8.2742, 5.7409



3.1197, 8.2742, 4.2461

Square

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



16.2640, 8.2742, 5.7409



6.6202, 8.2742, 0.0000



3.0087, 8.2742, 13.3290



9.2554, 8.2742, 43.1111

Rectangle

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



16.2640, 8.2742, 5.7409



11.4509, 8.2742, 0.4202



3.0087, 8.2742, 13.3290



5.1179, 8.2742, 37.9136

Sweetspot

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



16.2642, 8.2747, 5.7410



46.4642, 39.2308, 45.8885



11.7825, 5.3005, 35.5239



9.7689, 7.9697, 9.3744



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.



16.2642, 8.2747, 5.7410



29.4247, 14.9802, 9.9091



15.5015, 8.2758, 0.7811



7.1846, 7.1303, 7.9585



12.4923, 6.3530, 4.5169



0.2854, 0.1427, 0.2156

Inverse Universe

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



16.2642, 8.2747, 5.7410



29.4247, 14.9802, 9.9091



17.2288, 23.7358, 38.7952



7.1846, 7.1303, 7.9585



12.4923, 6.3530, 4.5169



0.2854, 0.1427, 0.2156

Previews

White Background



This preview shows how the XYZ color 16.2640, 8.2742, 5.7409 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



This preview shows how the XYZ color 16.2640, 8.2742, 5.7409 looks on a 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 16.2640, 8.2742, 5.7409

Background



This preview shows how black text looks on a background with the XYZ color 16.2640, 8.2742, 5.7409.



This preview shows how white text looks on a background with the XYZ color 16.2640, 8.2742,

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

16.2640, 8.2742, 5.7409

Protanopia

8.8032, 9.0059, 12.1008

Deuteranopia

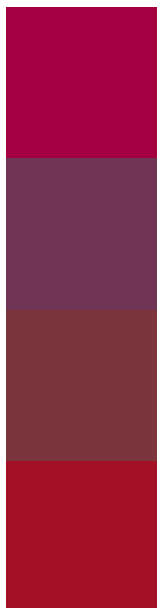
9.0730, 8.9570, 5.2537



Tritanopia

15.6385, 8.5913, 1.6982

Trichromacy



Original Color

16.2640, 8.2742, 5.7409

Protanomaly

9.5554, 6.6310, 9.1638

Deuteranomaly

10.3825, 7.0780, 5.2339

Tritanomaly

15.6709, 8.3339, 2.7021

Monochromacy



Original Color

16.2640, 8.2742, 5.7409

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 16.2640, 8.2742, 5.7409 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, 65)` looks like.

```
.text, #text, p{  
  color:rgb(164, 0, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 65) }
```

Border

The CSS property to change the border of an element to XYZ 16.2640, 8.2742, 5.7409 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, 65) }
```


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

```
.border{ border-color:rgb(164, 0, 65) }
```

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, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 65);  
box-shadow:4px 4px 4px 4px rgb(164, 0, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.2640, 8.2742, 5.7409 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, 65) }
```

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

```
.background{ background-color: rgb(164, 0,  
65) }
```

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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