

Converting Colors

XYZ(16.2643, 9.2389, 6.7204)

Have a look what the booklet for
XYZ(16.2643, 9.2389, 6.7204)
contains.

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Color

**XYZ(16.2643, 9.2389,
6.7204)**

Conversions

Conversions Part 1	
Format	Color
Hex	A02546
RGB	160, 37, 70
RGB Percent	63%, 15%, 27%
CMY	0.3725, 0.8549, 0.7255
CMYK	0.00, 0.77, 0.56, 0.37
HSL	344°, 62%, 39%
HSV	344°, 77%, 63%
XYZ	16.2643, 9.2389, 6.7204
YIQ	77.5390, 62.7150, 36.3390

Conversions

Conversions Part 2

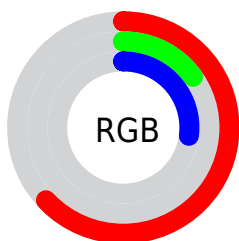
Format	Color
RYB	160, 37, 70
Decimal	10495302
CIELab	36.44, 51.55, 11.38
CIELCh	36, 52.794, 12.443
Yxy	9.2389, 0.5047, 0.2867
Android (android.graphics.Color)	4288685382 (0xFFA02546)
YUV	77.5390, -3.7167, 72.3183
Hunter-Lab	30.3956, 42.3210, 8.1680

Details

The XYZ color **16.2643, 9.2389, 6.7204** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.1653, 27.0676, 24.4013**, and the grayscale version is **7.1539, 7.5265, 8.1963**.

A 20% lighter version of the original color is **36.6996, 24.3524, 19.9057**, and **5.6773, 2.9039, 1.2982** is the 20% darker color. If you saturate the color by 10%, you get **15.5367, 8.3187, 4.8289**, and if you desaturate by 10%, it is **17.2826, 10.6253, 9.0646**.

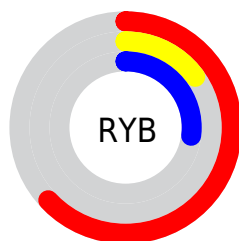
Distribution



Red (63%)

Green (15%)

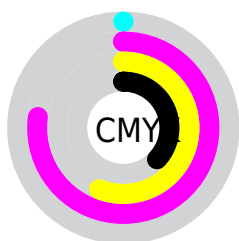
Blue (27%)



Red (63%)

Yellow (15%)

Blue (27%)

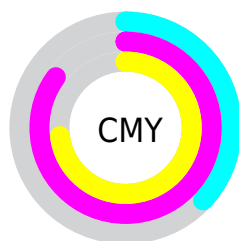


Cyan (0%)

Magenta (77%)

Yellow (56%)

Black (37%)



Cyan (37%)


Magenta (85%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2643, 9.2389, 6.7204 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 16.2643, 9.2389, 6.7204 by changing the saturation by 10% instead.


 16.2643, 9.2389,
6.7204


 16.2643, 9.2389,
6.7204


224.1361,
185.1502, 174.8616


 9.8034, 4.8973,
3.2121


 36.6102, 24.3537,
19.9117


 5.3301, 2.1871,
1.2039


 51.2259, 35.8958,
30.4317

 2.4789, 0.7130,
0.0000

 69.2906, 50.6069,
44.1261

 0.8846, 0.0000,
0.0000

 91.1696, 68.8712,
61.4133

 0.0000, 0.0000,
0.0000

 117.2283, 91.0734,
82.7119

 147.8321,

117.5977, 108.4405

183.3462,
148.8285, 139.0175

■ 16.2643, 9.2389,
6.7204

■ 16.2643, 9.2389,
6.7204

■ 15.5367, 8.3187,
4.8289

■ 17.2826, 10.6253,
9.0646

■ 15.0563, 7.7842,
3.3545


■ 18.6201, 12.5286,
11.8898


■ 14.9318, 7.6474,
2.9668


■ 20.3026, 14.9944,
15.2223


■ 22.3527, 18.0630,
19.0864

■ 24.7914, 21.7709,
23.5047

 27.6379, 26.1517,
28.4983

 30.9099, 31.2367,
34.0874

 34.6244, 37.0551,
40.2909

 38.7973, 43.6345,
47.1272

Harmonies

Analogous

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



16.0509, 9.2389, 16.3666



16.2643, 9.2389, 6.7204



14.1494, 9.2389, 2.2381

Triad

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



16.2643, 9.2389, 6.7204



5.2491, 9.2389, 1.8542



7.0529, 9.2389, 37.9490

Complementary

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



16.2643, 9.2389, 6.7204



17.1653, 27.0676, 24.4013

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.



4.9784, 9.2389, 27.2532



16.2643, 9.2389, 6.7204



4.1243, 9.2389, 5.6252

Square

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



16.2643, 9.2389, 6.7204



7.5211, 9.2389, 0.7882



4.0391, 9.2389, 14.3542



10.1749, 9.2389, 38.9438

Rectangle

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



16.2643, 9.2389, 6.7204



11.9465, 9.2389, 1.1288



4.0391, 9.2389, 14.3542



6.2312, 9.2389, 35.1647

Sweetspot

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



16.2645, 9.2394, 6.7205



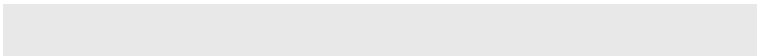
46.6999, 42.1145, 45.6648



15.4867, 8.2332, 34.0306



9.8741, 8.6723, 9.3632



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.2645, 9.2394, 6.7205



27.5726, 14.3838, 6.8451



16.6453, 11.2354, 3.0423



6.7025, 6.6739, 7.2845



11.6479, 5.9637, 2.3969



0.2244, 0.1131, 0.1279

Inverse Universe

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



16.2645, 9.2394, 6.7205



27.5726, 14.3838, 6.8451



15.5442, 19.8031, 36.2608



6.7025, 6.6739, 7.2845



11.6479, 5.9637, 2.3969



0.2244, 0.1131, 0.1279

Previews

White Background



This preview shows how the XYZ color 16.2643, 9.2389, 6.7204 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 16.2643, 9.2389, 6.7204 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 16.2643, 9.2389, 6.7204

Background



This preview shows how black text looks on a background with the XYZ color 16.2643, 9.2389, 6.7204.



This preview shows how white text looks on a background with the XYZ color 16.2643, 9.2389,

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

16.2643, 9.2389, 6.7204

Protanopia

9.1859, 9.4422, 11.9280

Deuteranopia

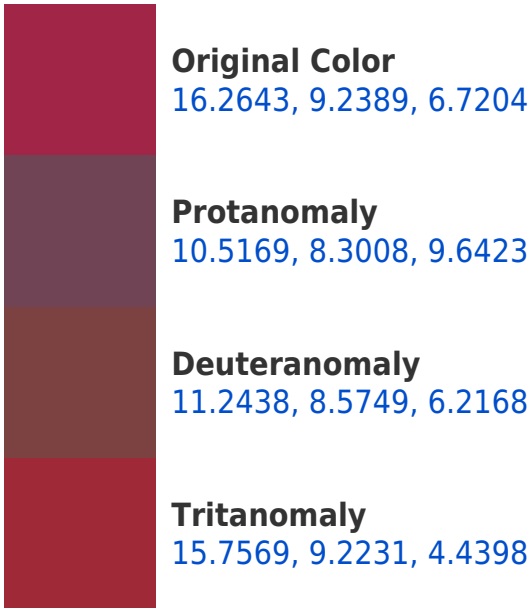
9.6122, 9.4402, 6.1660



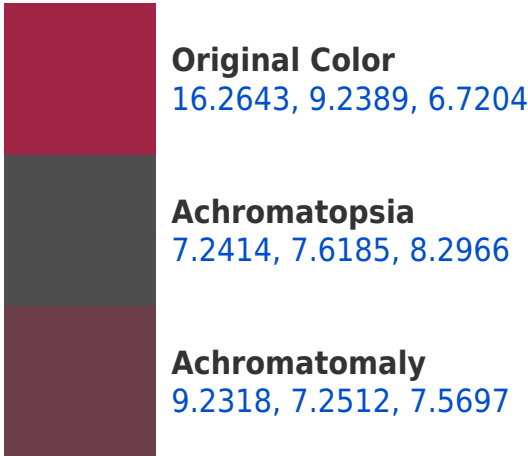
Tritanopia

15.6356, 9.2881, 3.4513

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2643, 9.2389, 6.7204 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(160, 37, 70)` looks like.

```
.text, #text, p{  
    color:rgb(160, 37, 70)  
}
```

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(160, 37, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 37, 70) }
```

Border

The CSS property to change the border of an element to XYZ 16.2643, 9.2389, 6.7204 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(160, 37, 70) }
```

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

```
.border{ border-color:rgb(160, 37, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 37, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 37, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 37, 70);  
box-shadow:4px 4px 4px 4px rgb(160, 37,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2643, 9.2389, 6.7204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 37, 70) }
```

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

```
.background{ background-color: rgb(160, 37,  
70) }
```

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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