

Converting Colors

XYZ(16.1231, 9.2032, 6.4165)

Have a look what the booklet for
XYZ(16.1231, 9.2032, 6.4165)
contains.

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Color

**XYZ(16.0346, 9.1745,
6.3946)**

Conversions

Conversions Part 1

Format	Color
Hex	9F2644
RGB	159, 38, 68
RGB Percent	62%, 15%, 27%
CMY	0.3765, 0.8509, 0.7333
CMYK	0.00, 0.76, 0.57, 0.38
HSL	345°, 61%, 39%
HSV	345°, 76%, 62%
XYZ	16.0346, 9.1745, 6.3946
YIQ	77.5990, 62.4860, 34.9820

Conversions

Conversions Part 2

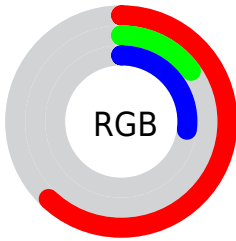
Format	Color
R_{YB}	159, 38, 68
Decimal	10430020
CIE _{Lab}	36.32, 50.77, 12.46
CIE _{LCh}	36, 52.274, 13.793
Yxy	9.1745, 0.5074, 0.2903
Android (android.graphics.Color)	4288620100 (0xFF9F2644)
YUV	77.5990, -4.7323, 71.3887
Hunter-Lab	30.2894, 41.4877, 8.6855

Details

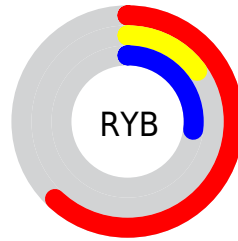
The XYZ color **16.0346, 9.1745, 6.3946** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.1607, 26.7936, 25.0388**, and the grayscale version is **7.1670, 7.5403, 8.2114**.

A 20% lighter version of the original color is **36.3685, 24.3264, 19.3016**, and **5.5533, 2.8413, 1.2330** is the 20% darker color. If you saturate the color by 10%, you get **15.3019, 8.2348, 4.5297**, and if you desaturate by 10%, it is **17.0594, 10.5793, 8.7244**.

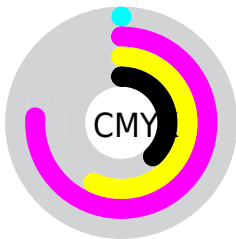
Distribution



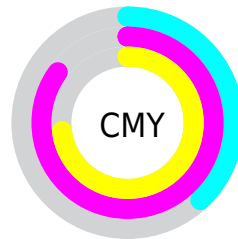
- Red (62%)
- Green (15%)
- Blue (27%)



- Red (62%)
- Yellow (15%)
- Blue (27%)



- Cyan (0%)
- Magenta (76%)
- Yellow (57%)
- Black (38%)





- Cyan (38%)
- Magenta (85%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0346, 9.1745, 6.3946 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 16.0346, 9.1745, 6.3946 by changing the saturation by 10% instead.


 16.0346, 9.1745,
6.3946


 16.0346, 9.1745,
6.3946


222.8122,
184.6744, 171.9694

 9.6396, 4.8552,
3.0138


 36.2152, 24.2308,
19.2362


 5.2211, 2.1625,
1.1017

 50.7316, 35.7365,
29.5341


 2.4137, 0.6995,
0.0000

 68.6858, 50.4065,
42.9749

 0.8519, 0.0000,
0.0000

 90.4433, 68.6252,
59.9769

 0.0000, 0.0000,
0.0000

 116.3693, 90.7769,
80.9589

 146.8292,

117.2461, 106.3393

182.1884,
148.4171, 136.5366

■ 16.0346, 9.1745,
6.3946

■ 16.0346, 9.1745,
6.3946

■ 15.3019, 8.2348,
4.5297

■ 17.0594, 10.5793,
8.7244

■ 14.8216, 7.6882,
3.0939

■ 18.4044, 12.4985,
11.5488

■ 14.6712, 7.5202,
2.6339

■ 20.0950, 14.9770,
14.8955

■ 22.1538, 18.0539,
18.7898

■ 24.6014, 21.7653,
23.2554

■ 27.4569, 26.1441,
28.3144

■ 30.7381, 31.2210,
33.9878

■ 34.4618, 37.0247,
40.2957

■ 38.6436, 43.5825,
47.2570

Harmonies

Analogous

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



15.9356, 9.1745, 15.6631



16.0346, 9.1745, 6.3946



13.8707, 9.1745, 2.1463

Triad

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



16.0346, 9.1745, 6.3946



5.1606, 9.1745, 1.9661



7.1347, 9.1745, 37.6684

Complementary

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



16.0346, 9.1745, 6.3946



17.1607, 26.7936, 25.0388

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.



5.0343, 9.1745, 27.4732



16.0346, 9.1745, 6.3946



4.0970, 9.1745, 5.8839

Square

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



16.0346, 9.1745, 6.3946



7.3527, 9.1745, 0.8285



4.0572, 9.1745, 14.7285



10.2472, 9.1745, 38.1290

Rectangle

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



16.0346, 9.1745, 6.3946



11.6816, 9.1745, 1.1051



4.0572, 9.1745, 14.7285



6.3069, 9.1745, 35.0772

Sweetspot

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



16.0348, 9.1750, 6.3947



45.3457, 40.9453, 43.9513



15.9670, 8.5377, 33.6072



9.8512, 8.6631, 9.2423



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.



16.0348, 9.1750, 6.3947



26.7920, 14.0364, 6.3260



16.7307, 11.6762, 3.2064



6.6972, 6.6718, 7.2563



11.6024, 5.9455, 2.1574



0.2227, 0.1124, 0.1189

Inverse Universe

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



16.0348, 9.1750, 6.3947



26.7920, 14.0364, 6.3260



14.8753, 18.5507, 35.5975



6.6972, 6.6718, 7.2563



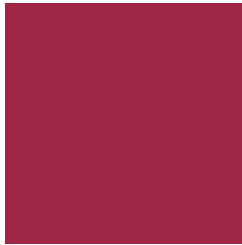
11.6024, 5.9455, 2.1574



0.2227, 0.1124, 0.1189

Previews

White Background



This preview shows how the XYZ color 16.0346, 9.1745, 6.3946 looks on a white background.

Color Contrast Check

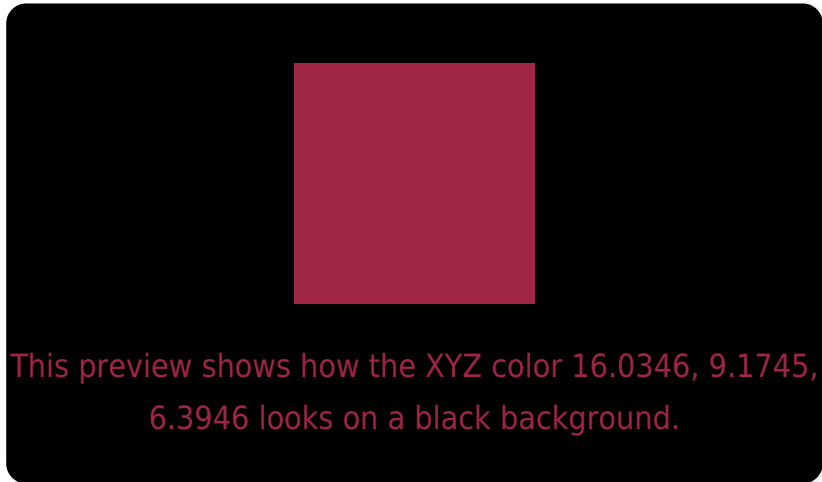
Large Text (above 18pt) WCAG AA ✓ Pass

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

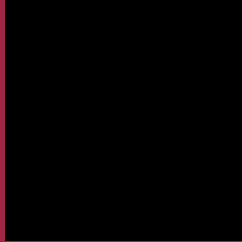
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0346, 9.1745, 6.3946

Background



This preview shows how black text looks on a background with the XYZ color 16.0346, 9.1745, 6.3946.



This preview shows how white text looks on a background with the XYZ color 16.0346, 9.1745,

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

16.0346, 9.1745, 6.3946

Protanopia

9.1466, 9.4371, 11.2370

Deuteranopia

9.5563, 9.4179, 5.8716



Tritanopia

15.4381, 9.1863, 3.4421

Trichromacy



Original Color

16.0346, 9.1745, 6.3946

Protanomaly

10.4995, 8.3915, 9.2499

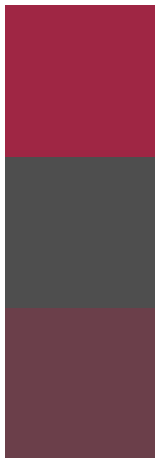
Deuteranomaly

11.1009, 8.5954, 5.9245

Tritanomaly

15.5361, 9.1120, 4.3081

Monochromacy



Original Color

16.0346, 9.1745, 6.3946

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

9.0769, 7.1752, 7.3851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0346, 9.1745, 6.3946 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(159, 38, 68)` looks like.

```
.text, #text, p{  
  color:rgb(159, 38, 68)  
}
```

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(159, 38, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 38, 68) }
```

Border

The CSS property to change the border of an element to XYZ 16.0346, 9.1745, 6.3946 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(159, 38, 68) }
```


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

```
.border{ border-color:rgb(159, 38, 68) }
```

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

Here you see how a box with a 4 pixel rgb(159, 38, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 38, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 38, 68);  
box-shadow:4px 4px 4px 4px rgb(159, 38,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0346, 9.1745, 6.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 38, 68) }
```

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

```
.background{ background-color: rgb(159, 38,  
68) }
```

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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