

Converting Colors

XYZ(17.2930, 9.8496, 5.8030)

Have a look what the booklet for
XYZ(17.2930, 9.8496, 5.8030)
contains.

XYZ(17.3444, 9.8634, 5.8402)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.3444, 9.8634,
5.8402)**

Conversions

Conversions Part 1

Format	Color
Hex	A62640
RGB	166, 38, 64
RGB Percent	65%, 15%, 25%
CMY	0.3490, 0.8509, 0.7490
CMYK	0.00, 0.77, 0.61, 0.35
HSL	348°, 63%, 40%
HSV	348°, 77%, 65%
XYZ	17.3444, 9.8634, 5.8402
YIQ	79.2360, 67.9420, 35.2220

Conversions

Conversions Part 2

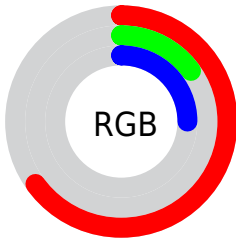
Format	Color
RYB	166, 38, 64
Decimal	10888768
CIELab	37.60, 52.58, 16.98
CIELCh	38, 55.259, 17.897
Yxy	9.8634, 0.5248, 0.2985
Android (android.graphics.Color)	4289078848 (0xFFA62640)
YUV	79.2360, -7.5113, 76.0920
Hunter-Lab	31.4061, 43.6184, 10.9588

Details

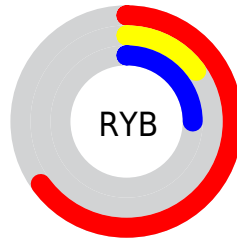
The XYZ color **17.3444, 9.8634, 5.8402** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.1701, 29.5782, 29.5132**, and the grayscale version is **7.4828, 7.8725, 8.5731**.

A 20% lighter version of the original color is **38.3255, 25.5009, 17.9411**, and **6.2082, 3.1837, 1.0464** is the 20% darker color. If you saturate the color by 10%, you get **16.5940, 8.8955, 3.9480**, and if you desaturate by 10%, it is **18.4212, 11.3415, 8.2820**.

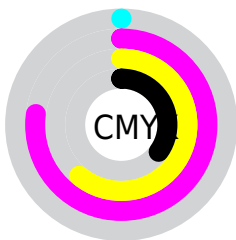
Distribution



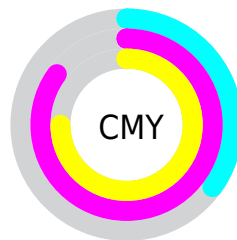
- Red (65%)
- Green (15%)
- Blue (25%)



- Red (65%)
- Yellow (15%)
- Blue (25%)



- Cyan (0%)
- Magenta (77%)
- Yellow (61%)
- Black (35%)





- Cyan (35%)
- Magenta (85%)
- Yellow (75%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.3444, 9.8634, 5.8402 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 17.3444, 9.8634, 5.8402 by changing the saturation by 10% instead.


 17.3444, 9.8634,
5.8402


 17.3444, 9.8634,
5.8402


230.2671,
189.6943, 166.8926


 10.5772, 5.3085,
2.6809


 38.4559, 25.5383,
18.0702


 5.8485, 2.4294,
0.9338

 53.5308, 37.4270,
27.9780


 2.7929, 0.8409,
0.0000

 72.1058, 52.5291,
40.9725

 1.0452, 0.0000,
0.0000

 94.5460, 71.2290,
57.4721

 0.0000, 0.0000,
0.0000

 121.2169, 93.9111,
77.8953

 152.4838,

120.9597, 102.6608

188.7120,
152.7593, 132.1871

■ 17.3444, 9.8634,
5.8402

■ 17.3444, 9.8634,
5.8402

■ 16.5940, 8.8955,
3.9480

■ 18.4212, 11.3415,
8.2820

■ 16.1205, 8.3484,
2.5570

■ 19.8574, 13.3862,
11.3127

■ 16.0103, 8.2208,
2.2344

■ 21.6828, 16.0484,
14.9685

■ 23.9234, 19.3727,
19.2824

■ 26.6034, 23.3997,
24.2849

■ 29.7447, 28.1667,
30.0047

■ 33.3681, 33.7083,
36.4689

■ 37.4927, 40.0569,
43.7031

■ 42.1368, 47.2431,
51.7315

Harmonies

Analogous

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



17.6110, 9.8634, 15.3068



17.3444, 9.8634, 5.8402



14.6473, 9.8634, 1.8491

Triad

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



17.3444, 9.8634, 5.8402



5.2170, 9.8634, 2.3089



8.0339, 9.8634, 42.7394

Complementary

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



17.3444, 9.8634, 5.8402



19.1701, 29.5782, 29.5132

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.



5.5491, 9.8634, 32.3144



17.3444, 9.8634, 5.8402



4.2156, 9.8634, 7.1853

Square

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



17.3444, 9.8634, 5.8402



7.4557, 9.8634, 0.8555



4.3197, 9.8634, 17.8150



11.5979, 9.8634, 41.4860

Rectangle

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



17.3444, 9.8634, 5.8402



12.1408, 9.8634, 0.9524



4.3197, 9.8634, 17.8150



7.0646, 9.8634, 40.3068

Sweetspot

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



17.3446, 9.8640, 5.8404



50.2789, 45.4885, 47.7361



18.1020, 9.5662, 36.9685



10.8261, 9.5358, 9.9024



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.3446, 9.8640, 5.8404



29.4307, 15.3465, 5.1660



18.5429, 13.1811, 3.4015



7.5911, 7.5663, 8.1640



12.4294, 6.3805, 1.8070



0.3194, 0.1620, 0.1334

Inverse Universe

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



17.3446, 9.8640, 5.8404



29.4307, 15.3465, 5.1660



15.6301, 19.0605, 38.9314



7.5911, 7.5663, 8.1640



12.4294, 6.3805, 1.8070



0.3194, 0.1620, 0.1334

Previews

White Background



This preview shows how the XYZ color 17.3444, 9.8634, 5.8402 looks on a white background.

Color Contrast Check

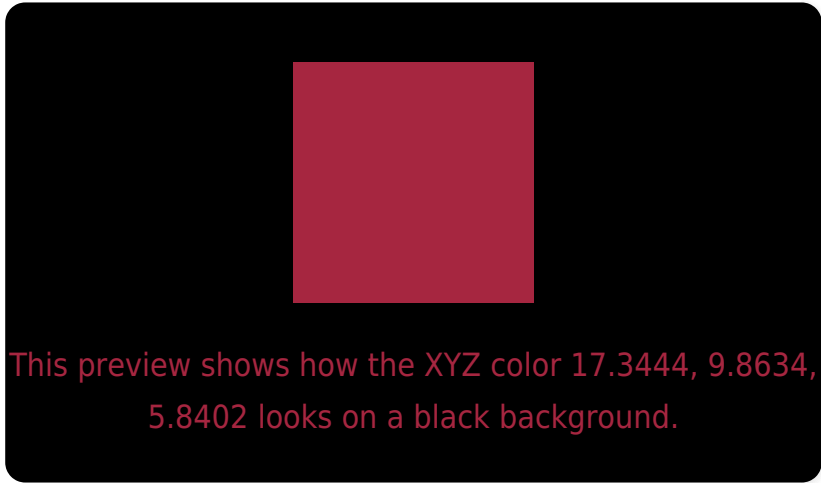
Large Text (above 18pt) WCAG AA ✓ Pass

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

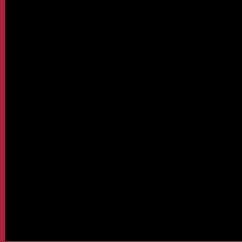
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3444, 9.8634, 5.8402

Background



This preview shows how black text looks on a background with the XYZ color 17.3444, 9.8634, 5.8402.



This preview shows how white text looks on a background with the XYZ color 17.3444, 9.8634,

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

17.3444, 9.8634, 5.8402

Protanopia

9.7063, 10.1082, 10.4563

Deuteranopia

10.2759, 10.1492, 5.4204



Tritanopia

16.7996, 9.8371, 3.3962

Trichromacy



Original Color

17.3444, 9.8634, 5.8402

Protanomaly

11.2092, 8.8668, 8.5178

Deuteranomaly

11.9970, 9.2496, 5.4280

Tritanomaly

16.9075, 9.8242, 4.1371

Monochromacy



Original Color

17.3444, 9.8634, 5.8402

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

9.6250, 7.5407, 7.4268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3444, 9.8634, 5.8402 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(166, 38, 64)` looks like.

```
.text, #text, p{  
    color:rgb(166, 38, 64)  
}
```

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(166, 38, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 38, 64) }
```

Border

The CSS property to change the border of an element to XYZ 17.3444, 9.8634, 5.8402 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(166, 38, 64) }
```


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

```
.border{ border-color:rgb(166, 38, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 38, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 38, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 38, 64);  
box-shadow:4px 4px 4px 4px rgb(166, 38,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3444, 9.8634, 5.8402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 38, 64) }
```

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

```
.background{ background-color: rgb(166, 38,  
64) }
```

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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