

Converting Colors

XYZ(17.8010, 13.2651, 6.1316)

Have a look what the booklet for
XYZ(17.8010, 13.2651, 6.1316)
contains.

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Color

**XYZ(17.7660, 13.2089,
6.1706)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4F3E
RGB	158, 79, 62
RGB Percent	62%, 31%, 24%
CMY	0.3804, 0.6902, 0.7569
CMYK	0.00, 0.50, 0.61, 0.38
HSL	11°, 44%, 43%
HSV	11°, 61%, 62%
XYZ	17.7660, 13.2089, 6.1706
YIQ	100.6830, 52.5410, 11.4610

Conversions

Conversions Part 2

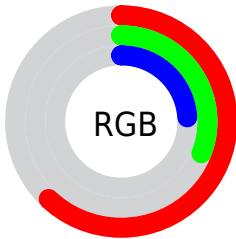
Format	Color
R_{YB}	158, 83, 62
Decimal	10374974
CIE Lab	43.08, 31.24, 25.03
CIE LCh	43, 40.035, 38.704
Yxy	13.2089, 0.4783, 0.3556
Android (android.graphics.Color)	4288565054 (0xFF9E4F3E)
YUV	100.6830, -19.0707, 50.2670
Hunter-Lab	36.3441, 23.6538, 15.3744

Details

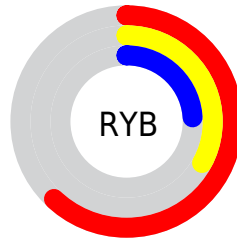
The XYZ color **17.7660, 13.2089, 6.1706** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.6822, 22.5409, 35.7663**, and the grayscale version is **12.3264, 12.9684, 14.1226**.

A 20% lighter version of the original color is **39.1160, 31.6900, 18.8070**, and **6.0870, 3.8518, 1.0387** is the 20% darker color. If you saturate the color by 10%, you get **16.5460, 11.3648, 3.9271**, and if you desaturate by 10%, it is **19.2961, 15.4717, 9.1396**.

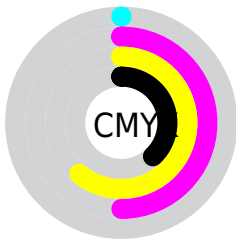
Distribution



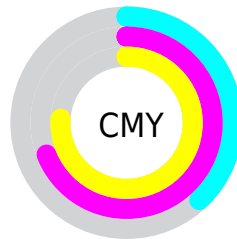
- Red (62%)
- Green (31%)
- Blue (24%)



- Red (62%)
- Yellow (33%)
- Blue (24%)



- Cyan (0%)
- Magenta (50%)
- Yellow (61%)
- Black (38%)





- Cyan (38%)
- Magenta (69%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.7660, 13.2089, 6.1706 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 17.7660, 13.2089, 6.1706 by changing the saturation by 10% instead.


 17.7660, 13.2089,
6.1706


 17.7660, 13.2089,
6.1706


232.6200,
212.2522, 169.9428


 10.8808, 7.5726,
2.8786


 39.1714, 31.6786,
18.7677


 6.0534, 3.8227,
1.0330


 54.4223, 45.2807,
28.9100


 2.9186, 1.5749,
0.0000

 73.1925, 62.3069,
42.1727

 1.1108, 0.3406,
0.0000

 95.8473, 83.1415,
58.9745

 0.0342, 0.0000,
0.0000

 122.7521,
108.1689, 79.7338

 0.0000, 0.0000,
0.0000

 154.2722,

137.7736, 104.8693

190.7731,
172.3399, 134.7995

■ 17.7660, 13.2089,
6.1706

■ 17.7660, 13.2089,
6.1706

■ 16.5460, 11.3648,
3.9271

■ 19.2961, 15.4717,
9.1396

■ 15.6132, 9.9113,
2.3455

■ 21.1553, 18.1748,
12.8890

■ 14.9427, 8.8201,
1.3520

■ 23.3618, 21.3408,
17.4692

■ 14.5154, 8.0989,
0.7982

■ 25.9326, 24.9902,
22.9260

■ 28.8831, 29.1421,
29.3021

■ 32.2283, 33.8147,
36.6372

■ 35.9819, 39.0253,
44.9688

■ 40.1573, 44.7903,
54.3323

■ 44.7671, 51.1254,
64.7613

Harmonies

Analogous

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



19.3649, 13.2089, 11.9655



17.7660, 13.2089, 6.1706



14.8305, 13.2089, 3.6614

Triad

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



17.7660, 13.2089, 6.1706



7.8061, 13.2089, 9.0603



13.4723, 13.2089, 38.5027

Complementary

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



17.7660, 13.2089, 6.1706



17.6822, 22.5409, 35.7663

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.



10.5245, 13.2089, 36.6763



17.7660, 13.2089, 6.1706



7.5638, 13.2089, 17.1043

Square

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



17.7660, 13.2089, 6.1706



9.2040, 13.2089, 4.7921



8.4773, 13.2089, 27.8065



16.6334, 13.2089, 32.0915

Rectangle

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



17.7660, 13.2089, 6.1706



12.6891, 13.2089, 3.2173



8.4773, 13.2089, 27.8065



12.4212, 13.2089, 38.8721

Sweetspot

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



17.7663, 13.2096, 6.1708



48.3198, 47.1129, 44.2660



20.7055, 12.6673, 26.9447



10.5766, 10.1740, 9.2993



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.



17.7663, 13.2096, 6.1708



29.3682, 19.5908, 5.9453



22.4308, 22.5385, 7.7256



6.7234, 6.8268, 6.9490



11.6471, 6.5298, 0.6465



0.2313, 0.1629, 0.0193

Inverse Universe

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



17.6822, 22.5409, 35.7663



29.1147, 37.8955, 64.5235



12.1609, 11.4982, 33.9259



6.7219, 7.3095, 8.4633



11.3631, 14.8177, 28.1684



0.2271, 0.3128, 0.5116

Previews

White Background



This preview shows how the XYZ color 17.7660, 13.2089, 6.1706 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 × Fail

Black Background



This preview shows how the XYZ color 17.7660, 13.2089, 6.1706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7660, 13.2089, 6.1706

Background



This preview shows how black text looks on a background with the XYZ color 17.7660, 13.2089, 6.1706.



This preview shows how white text looks on a background with the XYZ color 17.7660, 13.2089,

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

17.7660, 13.2089, 6.1706

Protanopia

12.4442, 13.3372, 7.8797

Deuteranopia

13.5889, 13.4008, 5.8734



Tritanopia

18.4055, 13.1490, 9.5506

Trichromacy



Original Color

17.7660, 13.2089, 6.1706

Protanomaly

13.9482, 13.0120, 7.2453

Deuteranomaly

14.8470, 13.1163, 5.8868

Tritanomaly

18.2220, 13.1867, 8.2415

Monochromacy



Original Color

17.7660, 13.2089, 6.1706

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.6607, 12.6544, 10.7394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7660, 13.2089, 6.1706 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(158, 79, 62)` looks like.

```
.text, #text, p{  
    color:rgb(158, 79, 62)  
}
```

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(158, 79, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 79, 62) }
```

Border

The CSS property to change the border of an element to XYZ 17.7660, 13.2089, 6.1706 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(158, 79, 62) }
```


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

```
.border{ border-color:rgb(158, 79, 62) }
```

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

Here you see how a box with a 4 pixel rgb(158, 79, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 79, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 79, 62);  
box-shadow:4px 4px 4px 4px rgb(158, 79,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7660, 13.2089, 6.1706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 79, 62) }
```

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

```
.background{ background-color: rgb(158, 79,  
62) }
```

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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