

Converting Colors

XYZ(15.8686, 12.0984, 6.0618)

Have a look what the booklet for
XYZ(15.8686, 12.0984, 6.0618)
contains.

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Color

**XYZ(15.8066, 12.0925,
6.0584)**

Conversions

Conversions Part 1

Format	Color
Hex	944E3E
RGB	148, 78, 62
RGB Percent	58%, 31%, 24%
CMY	0.4196, 0.6941, 0.7569
CMYK	0.00, 0.47, 0.58, 0.42
HSL	11°, 41%, 41%
HSV	11°, 58%, 58%
XYZ	15.8066, 12.0925, 6.0584
YIQ	97.1060, 46.8560, 9.8640

Conversions

Conversions Part 2

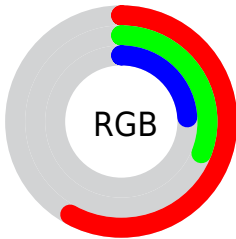
Format	Color
R_{YB}	148, 82, 62
Decimal	9719358
CIE _{Lab}	41.36, 27.71, 22.55
CIE _{LCh}	41, 35.722, 39.138
Yxy	12.0925, 0.4655, 0.3561
Android (android.graphics.Color)	4287909438 (0xFF944E3E)
YUV	97.1060, -17.3073, 44.6340
Hunter-Lab	34.7743, 20.2820, 14.0124

Details

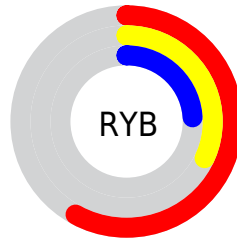
The XYZ color **15.8066, 12.0925, 6.0584** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.5825, 19.6635, 30.9909**, and the grayscale version is **11.4219, 12.0167, 13.0862**.

A 20% lighter version of the original color is **35.7105, 29.5433, 18.5721**, and **5.1217, 3.3541, 0.9936** is the 20% darker color. If you saturate the color by 10%, you get **14.6756, 10.3944, 3.9434**, and if you desaturate by 10%, it is **17.2056, 14.1497, 8.8087**.

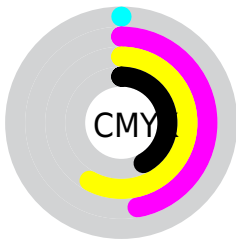
Distribution



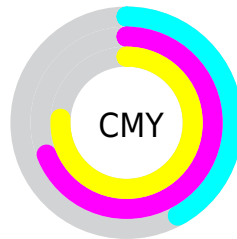
- Red (58%)
- Green (31%)
- Blue (24%)



- Red (58%)
- Yellow (32%)
- Blue (24%)



- Cyan (0%)
- Magenta (47%)
- Yellow (58%)
- Black (42%)





- Cyan (42%)
- Magenta (69%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8066, 12.0925, 6.0584 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 15.8066, 12.0925, 6.0584 by changing the saturation by 10% instead.


 15.8066, 12.0925,
6.0584


 15.8066, 12.0925,
6.0584


221.4907,
205.0167, 168.9154


 9.4774, 6.8067,
2.8113


 35.8223, 29.6635,
18.5317


 5.1134, 3.3415,
0.9991

 50.2395, 42.7174,
28.5950


 2.3494, 1.3125,
0.0000

 68.0834, 59.1296,
41.7675

 0.8198, 0.1509,
0.0000

 89.7193, 79.2843,
58.4675

 0.0000, 0.0000,
0.0000

 115.5126,
103.5659, 79.1138

 145.8287,

132.3590, 104.1249

181.0330,
166.0478, 133.9192

■ 15.8066, 12.0925,
6.0584

■ 15.8066, 12.0925,
6.0584

■ 14.6756, 10.3944,
3.9434

■ 17.2056, 14.1497,
8.8087

■ 13.7940, 9.0326,
2.4117

■ 18.8878, 16.5833,
12.2393

■ 13.1419, 7.9848,
1.4039

■ 20.8684, 19.4115,
16.3920

■ 12.6878, 7.2216,
0.8056

■ 23.1610, 22.6510,
21.3050

■ 12.6171, 7.1048,
0.7064

■ 25.7786, 26.3174,
27.0138

■ 28.7333, 30.4256,
33.5515

■ 32.0366, 34.9896,
40.9496

■ 35.6994, 40.0229,
49.2377

■ 39.7323, 45.5384,
58.4442

Harmonies

Analogous

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



17.1469, 12.0925, 11.0283



15.8066, 12.0925, 6.0584



13.3604, 12.0925, 3.8283

Triad

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



15.8066, 12.0925, 6.0584



7.4387, 12.0925, 8.7115



12.3030, 12.0925, 32.8729

Complementary

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



15.8066, 12.0925, 6.0584



15.5825, 19.6635, 30.9909

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.



9.8092, 12.0925, 31.5043



15.8066, 12.0925, 6.0584



7.2434, 12.0925, 15.5650

Square

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



15.8066, 12.0925, 6.0584



8.6272, 12.0925, 4.9114



8.0465, 12.0925, 24.3811



14.9334, 12.0925, 27.6221

Rectangle

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



15.8066, 12.0925, 6.0584



11.5686, 12.0925, 3.4330



8.0465, 12.0925, 24.3811



11.4188, 12.0925, 33.2043

Sweetspot

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



15.8069, 12.0931, 6.0586



41.2010, 40.4368, 38.3151



18.1161, 11.4135, 23.1617



9.2290, 8.9828, 8.3653



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.8069, 12.0931, 6.0586



25.3358, 17.4862, 5.9600



19.8912, 20.2617, 7.4200



5.8830, 5.9797, 6.0846



10.7928, 6.1000, 0.6086



0.1483, 0.1070, 0.0128

Inverse Universe

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



15.5825, 19.6635, 30.9909



24.8377, 32.0483, 54.3114



10.9237, 10.3460, 29.4379



5.8733, 6.3806, 7.3918



10.3681, 13.4310, 25.9770



0.1460, 0.2026, 0.3243

Previews

White Background



This preview shows how the XYZ color 15.8066, 12.0925, 6.0584 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 15.8066, 12.0925, 6.0584 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 15.8066, 12.0925, 6.0584

Background



This preview shows how black text looks on a background with the XYZ color 15.8066, 12.0925, 6.0584.



This preview shows how white text looks on a background with the XYZ color 15.8066, 12.0925,

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

15.8066, 12.0925, 6.0584

Protanopia

11.4170, 12.2417, 7.5555

Deuteranopia

12.3999, 12.2431, 5.8473



Tritanopia

16.3957, 12.0158, 9.2397

Trichromacy



Original Color

15.8066, 12.0925, 6.0584

Protanomaly

12.6394, 11.9524, 6.9511

Deuteranomaly

13.5113, 12.0515, 5.8890

Tritanomaly

16.2149, 12.0529, 7.9504

Monochromacy



Original Color

15.8066, 12.0925, 6.0584

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.4589, 11.6654, 9.9825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8066, 12.0925, 6.0584 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(148, 78, 62)` looks like.

```
.text, #text, p{  
    color:rgb(148, 78, 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(148, 78, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 78, 62) }
```

Border

The CSS property to change the border of an element to XYZ 15.8066, 12.0925, 6.0584 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(148, 78, 62) }
```


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

```
.border{ border-color:rgb(148, 78, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 78, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 78, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 78, 62);  
box-shadow:4px 4px 4px 4px rgb(148, 78,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8066, 12.0925, 6.0584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 78, 62) }
```

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

```
.background{ background-color: rgb(148, 78,  
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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