

Converting Colors

XYZ(18.0270, 14.0131, 4.2152)

Have a look what the booklet for
XYZ(18.0270, 14.0131, 4.2152)
contains.

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Color

**XYZ(18.0202, 14.0574,
4.2462)**

Conversions

Conversions Part 1

Format	Color
Hex	9F552D
RGB	159, 85, 45
RGB Percent	62%, 33%, 18%
CMY	0.3765, 0.6666, 0.8235
CMYK	0.00, 0.47, 0.72, 0.38
HSL	21°, 56%, 40%
HSV	21°, 72%, 62%
XYZ	18.0202, 14.0574, 4.2462
YIQ	102.5660, 56.9440, 3.2480

Conversions

Conversions Part 2

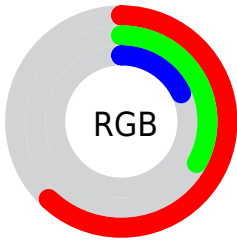
Format	Color
R _Y B	159, 107, 45
Decimal	10442029
CIE Lab	44.32, 27.26, 36.17
CIE LCh	44, 45.291, 52.995
Yxy	14.0574, 0.4961, 0.3870
Android (android.graphics.Color)	4288632109 (0xFF9F552D)
YUV	102.5660, -28.3800, 49.4926
Hunter-Lab	37.4932, 20.1786, 19.5305

Details

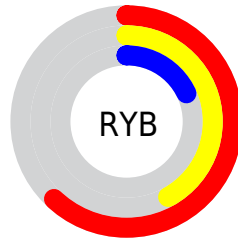
The XYZ color **18.0202, 14.0574, 4.2462** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.9365, 16.2536, 35.2033**, and the grayscale version is **12.8399, 13.5086, 14.7109**.

A 20% lighter version of the original color is **39.6934, 33.3041, 14.6922**, and **6.1726, 4.2110, 0.4875** is the 20% darker color. If you saturate the color by 10%, you get **17.0157, 12.4496, 2.6752**, and if you desaturate by 10%, it is **19.2592, 15.9499, 6.4645**.

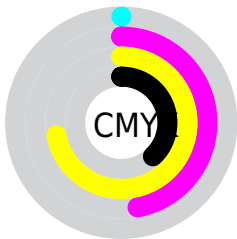
Distribution



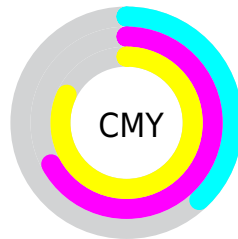
- Red (62%)
- Green (33%)
- Blue (18%)



- Red (62%)
- Yellow (42%)
- Blue (18%)



- Cyan (0%)
- Magenta (47%)
- Yellow (72%)
- Black (38%)





- Cyan (38%)
- Magenta (67%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0202, 14.0574, 4.2462 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 18.0202, 14.0574, 4.2462 by changing the saturation by 10% instead.

 18.0202, 14.0574,
4.2462


 18.0202, 14.0574,
4.2462


234.0283,
217.5876, 150.9238


 11.0643, 8.1606,
1.7614


 39.6016, 33.1908,
14.5737


 6.1777, 4.1979,
0.4023


 54.9577, 47.1963,
23.2534


 2.9951, 1.7849,
0.0000

 73.8446, 64.6734,
34.8352

 1.1512, 0.4777,
0.0000

 96.6276, 86.0065,
49.7376

 0.0673, 0.0000,
0.0000

 123.6722,
111.5801, 68.3791

 0.0000, 0.0000,
0.0000

 155.3435,

141.7786, 91.1783

192.0071,
176.9863, 118.5537

■ 18.0202, 14.0574,
4.2462

■ 18.0202, 14.0574,
4.2462

■ 17.0157, 12.4496,
2.6752

■ 19.2592, 15.9499,
6.4645

■ 16.2259, 11.1085,
1.6766

■ 20.7481, 18.1391,
9.3921

■ 15.7022, 10.1794,
1.1372

■ 22.5020, 20.6389,
13.0843

■ 24.5344, 23.4615,
17.5910

■ 26.8577, 26.6186,
22.9576

■ 29.4836, 30.1210,
29.2261

■ 32.4231, 33.9792,
36.4359

■ 35.6866, 38.2032,
44.6239

■ 39.2841, 42.8024,
53.8250

Harmonies

Analogous

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



20.8752, 14.0574, 8.7475



18.0202, 14.0574, 4.2462



14.2310, 14.0574, 2.8008

Triad

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



18.0202, 14.0574, 4.2462



7.5596, 14.0574, 12.9944



16.2789, 14.0574, 42.0829

Complementary

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



18.0202, 14.0574, 4.2462



13.9365, 16.2536, 35.2033

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.



12.5275, 14.0574, 44.9723



18.0202, 14.0574, 4.2462



7.9088, 14.0574, 24.5231

Square

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



18.0202, 14.0574, 4.2462



8.5245, 14.0574, 6.1488



9.5835, 14.0574, 37.4753



19.7494, 14.0574, 30.7741

Rectangle

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



18.0202, 14.0574, 4.2462



11.8516, 14.0574, 2.9194



9.5835, 14.0574, 37.4753



14.9937, 14.0574, 44.2320

Sweetspot

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



18.0205, 14.0581, 4.2465



47.7822, 47.2438, 40.3692



18.5722, 10.5820, 18.5479



10.5261, 10.3183, 8.5262



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.



18.0205, 14.0581, 4.2465



29.5900, 20.8142, 3.6150



24.4297, 26.8765, 6.3828



6.8140, 7.0080, 6.9792



12.4385, 8.1125, 0.9103



0.2602, 0.2206, 0.0289

Inverse Universe

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



13.9365, 16.2536, 35.2033



21.7178, 24.7548, 62.3770



9.0683, 6.5173, 33.5806



6.6258, 7.1173, 8.4312



8.8299, 9.7513, 27.3240



0.1962, 0.2509, 0.5013

Previews

White Background



This preview shows how the XYZ color 18.0202, 14.0574, 4.2462 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 18.0202, 14.0574, 4.2462 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 18.0202, 14.0574, 4.2462

Background



This preview shows how black text looks on a background with the XYZ color 18.0202, 14.0574, 4.2462.



This preview shows how white text looks on a background with the XYZ color 18.0202, 14.0574,

4.2462.

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

18.0202, 14.0574, 4.2462

Protanopia

12.9852, 14.1241, 5.1738

Deuteranopia

14.3175, 14.0997, 4.0647



Tritanopia

19.2463, 13.9863, 10.4893

Trichromacy



Original Color

18.0202, 14.0574, 4.2462

Protanomaly

14.4378, 13.8626, 4.8205

Deuteranomaly

15.4946, 14.0143, 4.0789

Tritanomaly

18.6518, 13.9631, 7.6733

Monochromacy



Original Color

18.0202, 14.0574, 4.2462

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.8742, 13.1859, 9.7965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0202, 14.0574, 4.2462 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, 85, 45)` looks like.

```
.text, #text, p{  
    color:rgb(159, 85, 45)  
}
```

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, 85, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 85, 45) }
```

Border

The CSS property to change the border of an element to XYZ 18.0202, 14.0574, 4.2462 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, 85, 45) }
```


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

```
.border{ border-color:rgb(159, 85, 45) }
```

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

Here you see how a box with a 4 pixel rgb(159, 85, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 85, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 85, 45);  
box-shadow:4px 4px 4px 4px rgb(159, 85,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0202, 14.0574, 4.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 85, 45) }
```

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

```
.background{ background-color: rgb(159, 85,  
45) }
```

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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