

Converting Colors

XYZ(18.6600, 15.2391, 4.7544)

Have a look what the booklet for
XYZ(18.6600, 15.2391, 4.7544)
contains.

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Color

**XYZ(18.6587, 15.2386,
4.7542)**

Conversions

Conversions Part 1

Format	Color
Hex	9F5C30
RGB	159, 92, 48
RGB Percent	62%, 36%, 19%
CMY	0.3765, 0.6392, 0.8118
CMYK	0.00, 0.42, 0.70, 0.38
HSL	24°, 54%, 41%
HSV	24°, 70%, 62%
XYZ	18.6587, 15.2386, 4.7542
YIQ	107.0170, 54.0560, 0.5200

Conversions

Conversions Part 2

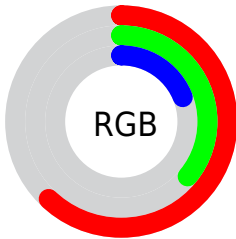
Format	Color
R_{YB}	159, 121, 48
Decimal	10443824
CIE _{Lab}	45.96, 23.53, 36.40
CIE _{LCh}	46, 43.341, 57.124
Yxy	15.2386, 0.4827, 0.3943
Android (android.graphics.Color)	4288633904 (0xFF9F5C30)
YUV	107.0170, -29.0954, 45.5891
Hunter-Lab	39.0366, 17.0051, 20.1048

Details

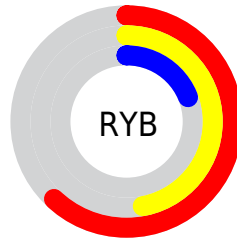
The XYZ color **18.6587, 15.2386, 4.7542** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.6072, 15.3921, 35.0545**, and the grayscale version is **14.0479, 14.7794, 16.0948**.

A 20% lighter version of the original color is **40.8472, 35.3949, 15.7453**, and **6.5319, 4.7603, 0.5746** is the 20% darker color. If you saturate the color by 10%, you get **17.6082, 13.5720, 3.0653**, and if you desaturate by 10%, it is **19.9329, 17.1645, 7.0982**.

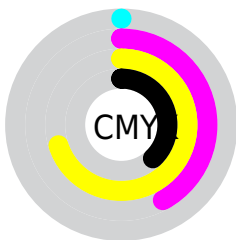
Distribution



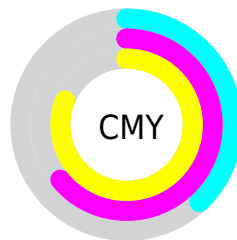
- Red (62%)
- Green (36%)
- Blue (19%)



- Red (62%)
- Yellow (47%)
- Blue (19%)



- Cyan (0%)
- Magenta (42%)
- Yellow (70%)
- Black (38%)





- Cyan (38%)
- Magenta (64%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6587, 15.2386, 4.7542 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 18.6587, 15.2386, 4.7542 by changing the saturation by 10% instead.


 18.6587, 15.2386,
4.7542


 18.6587, 15.2386,
4.7542


237.5325,
224.8059, 156.2719


 11.5265, 8.9870,
2.0476


 40.6779, 35.2712,
15.7149


 6.4920, 4.7327,
0.5843


 56.2956, 49.8210,
24.8060

 3.1900, 2.0913,
0.0000

 75.4725, 67.9057,
36.8624

 1.2550, 0.6597,
0.0000

 98.5740, 89.9096,
52.3025

 0.1491, 0.0000,
0.0000

 125.9654,
116.2172, 71.5450

 0.0000, 0.0000,
0.0000

 158.0120,

147.2129, 95.0084

195.0793,
183.2810, 123.1112

■ 18.6587, 15.2386,
4.7542

■ 18.6587, 15.2386,
4.7542

■ 17.6082, 13.5720,
3.0653

■ 19.9329, 17.1645,
7.0982

■ 16.7632, 12.1492,
1.9597

■ 21.4447, 19.3593,
10.1574

■ 16.0890, 10.9504,
1.2743

■ 23.2080, 21.8348,
13.9856

■ 16.0773, 10.9295,
1.2622

■ 25.2352, 24.6014,
18.6315

■ 27.5378, 27.6689,
24.1395

■ 30.1265, 31.0466,
30.5508

■ 33.0115, 34.7432,
37.9041

■ 36.2023, 38.7673,
46.2356

■ 39.7081, 43.1270,
55.5798

Harmonies

Analogous

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



21.7100, 15.2386, 8.9830



18.6587, 15.2386, 4.7542



14.8405, 15.2386, 3.4915

Triad

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



18.6587, 15.2386, 4.7542



8.5210, 15.2386, 15.5994



17.9425, 15.2386, 41.8381

Complementary

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



18.6587, 15.2386, 4.7542



13.6072, 15.3921, 35.0545

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.



14.1329, 15.2386, 46.0388



18.6587, 15.2386, 4.7542



9.0706, 15.2386, 27.6077

Square

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



18.6587, 15.2386, 4.7542



9.3321, 15.2386, 7.8669



10.9834, 15.2386, 39.9887



21.2499, 15.2386, 30.1462

Rectangle

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



18.6587, 15.2386, 4.7542



12.5052, 15.2386, 3.8083



10.9834, 15.2386, 39.9887



16.6609, 15.2386, 44.3425

Sweetspot

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



18.6591, 15.2394, 4.7545



48.6291, 48.6434, 41.5584



18.5336, 10.7563, 17.7599



10.7166, 10.6393, 8.7743



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.



18.6591, 15.2394, 4.7545



30.6165, 22.7802, 4.2257



25.1180, 28.1574, 6.9075



6.8380, 7.0561, 6.9872



12.7371, 8.7097, 1.0098



0.2678, 0.2358, 0.0314

Inverse Universe

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



13.6072, 15.3921, 35.0545



20.8915, 22.9175, 62.0659



9.1431, 6.4638, 33.5664



6.6010, 7.0677, 8.4230



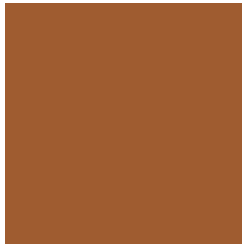
8.2857, 8.6629, 27.1426



0.1886, 0.2358, 0.4988

Previews

White Background



This preview shows how the XYZ color 18.6587, 15.2386, 4.7542 looks on a white background.

Color Contrast Check

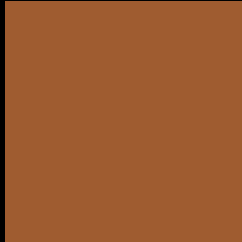
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6587, 15.2386, 4.7542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

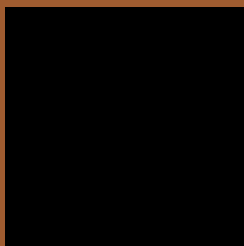
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6587, 15.2386, 4.7542

Background



This preview shows how black text looks on a background with the XYZ color 18.6587, 15.2386, 4.7542.



This preview shows how white text looks on a background with the XYZ color 18.6587, 15.2386,

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

18.6587, 15.2386, 4.7542

Protanopia

13.9964, 15.2593, 5.5758

Deuteranopia

15.5773, 15.3243, 4.6195



Tritanopia

20.2843, 15.2881, 12.2377

Trichromacy



Original Color

18.6587, 15.2386, 4.7542

Protanomaly

15.4395, 15.0904, 5.2310

Deuteranomaly

16.5519, 15.2409, 4.6542

Tritanomaly

19.6099, 15.2576, 8.9326

Monochromacy



Original Color

18.6587, 15.2386, 4.7542

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.0353, 14.6102, 10.8317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6587, 15.2386, 4.7542 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, 92, 48)` looks like.

```
.text, #text, p{  
    color:rgb(159, 92, 48)  
}
```

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, 92, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 92, 48) }
```

Border

The CSS property to change the border of an element to XYZ 18.6587, 15.2386, 4.7542 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, 92, 48) }
```


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

```
.border{ border-color:rgb(159, 92, 48) }
```

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

Here you see how a box with a 4 pixel rgb(159, 92, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 92, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 92, 48);  
box-shadow:4px 4px 4px 4px rgb(159, 92,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6587, 15.2386, 4.7542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 92, 48) }
```

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

```
.background{ background-color: rgb(159, 92,  
48) }
```

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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