

Converting Colors

XYZ(18.7448, 20.4617, 6.9645)

Have a look what the booklet for
XYZ(18.7448, 20.4617, 6.9645)
contains.

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Color

**XYZ(18.7448, 20.4617,
6.9645)**

Conversions

Conversions Part 1

Format	Color
Hex	8B7D3A
RGB	139, 125, 58
RGB Percent	55%, 49%, 23%
CMY	0.4549, 0.5098, 0.7725
CMYK	0.00, 0.10, 0.58, 0.45
HSL	50°, 41%, 39%
HSV	50°, 58%, 55%
XYZ	18.7448, 20.4617, 6.9645
YIQ	121.5480, 29.8510, -17.8690

Conversions

Conversions Part 2

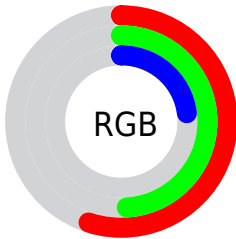
Format	Color
RYB	75, 139, 58
Decimal	9141562
CIELab	52.36, -3.60, 37.87
CIELCh	52, 38.040, 95.424
Yxy	20.4617, 0.4060, 0.4432
Android (android.graphics.Color)	4287331642 (0xFF8B7D3A)
YUV	121.5480, -31.3292, 15.3054
Hunter-Lab	45.2346, -5.1918, 22.5357

Details

The XYZ color **18.7448, 20.4617, 6.9645** is a dark color, and the websafe version is hex **666633**, and the color name is **moss color (koke-iro)**. A complement of this color would be **8.7224, 7.3981, 25.3942**, and the grayscale version is **18.4438, 19.4043, 21.1313**.

A 20% lighter version of the original color is **40.6241, 43.9752, 20.2569**, and **6.4660, 7.1648, 1.2719** is the 20% darker color. If you saturate the color by 10%, you get **18.1376, 19.7389, 5.2469**, and if you desaturate by 10%, it is **19.4558, 21.2393, 9.1882**.

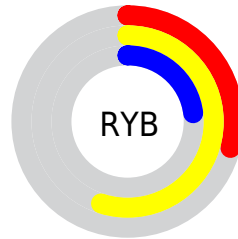
Distribution



Red (55%)

Green (49%)

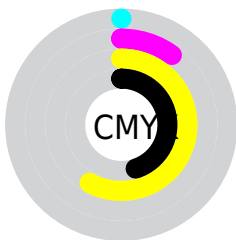
Blue (23%)



Red (29%)

Yellow (55%)

Blue (23%)

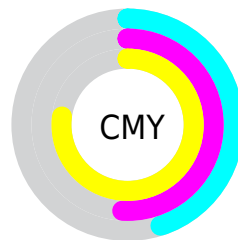


Cyan (0%)

Magenta (10%)

Yellow (58%)

Black (45%)



Cyan (45%)

Magenta (51%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7448, 20.4617, 6.9645 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 18.7448, 20.4617, 6.9645 by changing the saturation by 10% instead.

■ 18.7448, 20.4617,
6.9645

■ 18.7448, 20.4617,
6.9645

238.0015,
254.4037, 176.9881

■ 11.5889, 12.7311,
3.3618

■ 40.8226, 44.1899,
20.4134

■ 6.5346, 7.2436,
1.2822

■ 56.4753, 60.9563,
31.0967

■ 3.2165, 3.6149,
0.0471

■ 75.6910, 81.5034,
44.9773

■ 1.2693, 1.4606,
0.0000

■ 98.8350, 106.2157,
62.4736

■ 0.1600, 0.2607,
0.0000

■ 126.2727,
135.4774, 84.0044

■ 0.0000, 0.0000,
0.0000

■ 158.3694,

169.6731, 109.9880

195.4906,
209.1871, 140.8431

■ 18.7448, 20.4617,
6.9645

■ 18.7448, 20.4617,
6.9645

■ 18.1376, 19.7389,
5.2469

■ 19.4558, 21.2393,
9.1882

■ 17.6249, 19.0649,
3.9928

■ 20.2762, 22.0717,
11.9538

■ 17.1979, 18.4367,
3.1543

■ 21.2129, 22.9626,
15.2952

■ 16.8366, 17.8463,
2.6263

■ 22.2719, 23.9144,
19.2430

■ 16.7761, 17.7462,
2.5412

■ 23.4585, 24.9294,
23.8259

■ 24.7779, 26.0096,
29.0706

■ 26.2349, 27.1571,
35.0024

■ 27.8341, 28.3738,
41.6450

■ 29.5800, 29.6616,
49.0213

Harmonies

Analogous

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



22.7523, 20.4617, 7.8556



18.7448, 20.4617, 6.9645



15.4006, 20.4617, 8.9181

Triad

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



18.7448, 20.4617, 6.9645



13.9331, 20.4617, 37.2691



27.1344, 20.4617, 32.5098

Complementary

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



18.7448, 20.4617, 6.9645



8.7224, 7.3981, 25.3942

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.



24.1493, 20.4617, 44.8881



18.7448, 20.4617, 6.9645



16.4806, 20.4617, 48.2205

Square

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



18.7448, 20.4617, 6.9645



12.8718, 20.4617, 24.3815



20.1690, 20.4617, 51.3960



27.9524, 20.4617, 20.3015

Rectangle

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



18.7448, 20.4617, 6.9645



13.8819, 20.4617, 12.1422



20.1690, 20.4617, 51.3960



26.3332, 20.4617, 36.9014

Sweetspot

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



18.7453, 20.4627, 6.9649



40.0675, 42.9861, 35.1543



13.3582, 8.9943, 7.3095



9.1524, 9.8348, 7.7960



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.7453, 20.4627, 6.9649



32.1652, 34.9474, 8.5792



16.8516, 22.3047, 7.4203



5.3588, 5.7004, 5.3702



15.1521, 16.0386, 2.2972



0.1096, 0.1245, 0.0183

Inverse Universe

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



8.7224, 7.3981, 25.3942



12.4831, 9.3297, 44.8858



9.7983, 6.7591, 25.2142



4.8400, 5.0230, 6.3203



4.5107, 2.2917, 22.2503



0.0375, 0.0303, 0.1503

Previews

White Background



This preview shows how the XYZ color 18.7448, 20.4617, 6.9645 looks on a white 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

Black Background



This preview shows how the XYZ color 18.7448, 20.4617, 6.9645 looks on a black 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

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

XYZ 18.7448, 20.4617, 6.9645

Background



This preview shows how black text looks on a background with the XYZ color 18.7448, 20.4617, 6.9645.



This preview shows how white text looks on a background with the XYZ color 18.7448, 20.4617,

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

18.7448, 20.4617, 6.9645

Protanopia

18.7448, 20.4617, 6.9645

Deuteranopia

20.7389, 20.3899, 7.1176



Tritanopia

21.9863, 20.5089, 22.8785

Trichromacy



Original Color

18.7448, 20.4617, 6.9645

Protanomaly

18.7448, 20.4617, 6.9645

Deuteranomaly

20.0212, 20.3801, 7.0162

Tritanomaly

20.5633, 20.4737, 15.4384

Monochromacy



Original Color

18.7448, 20.4617, 6.9645

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.2372, 19.6560, 14.6372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7448, 20.4617, 6.9645 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(139, 125, 58)` looks like.

```
.text, #text, p{  
    color:rgb(139, 125, 58)  
}
```

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(139, 125, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 125, 58) }
```

Border

The CSS property to change the border of an element to XYZ 18.7448, 20.4617, 6.9645 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(139, 125, 58) }
```


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

```
.border{ border-color:rgb(139, 125, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 125, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 125, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 125, 58);  
box-shadow:4px 4px 4px 4px rgb(139, 125,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7448, 20.4617, 6.9645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 125, 58) }
```

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

```
.background{ background-color: rgb(139,  
125, 58) }
```

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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