

Converting Colors

XYZ(12.5007, 16.2687, 9.1371)

Have a look what the booklet for
XYZ(12.5007, 16.2687, 9.1371)
contains.

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Color

**XYZ(12.5007, 16.2681,
9.1378)**

Conversions

Conversions Part 1

Format	Color
Hex	5D784B
RGB	93, 120, 75
RGB Percent	36%, 47%, 29%
CMY	0.6353, 0.5294, 0.7059
CMYK	0.23, 0.00, 0.38, 0.53
HSL	96°, 23%, 38%
HSV	96°, 38%, 47%
XYZ	12.5007, 16.2681, 9.1378
YIQ	106.7970, -1.6470, -19.7190

Conversions

Conversions Part 2

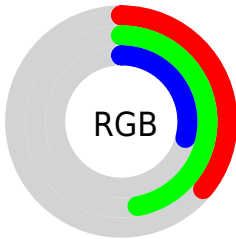
Format	Color
RYB	75, 120, 102
Decimal	6125643
CIELab	47.32, -18.68, 21.62
CIELCh	47, 28.566, 130.826
Yxy	16.2681, 0.3298, 0.4292
Android (android.graphics.Color)	4284315723 (0xFF5D784B)
YUV	106.7970, -15.6759, -12.1000
Hunter-Lab	40.3337, -15.2612, 14.8012

Details

The XYZ color **12.5007, 16.2681, 9.1378** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.3864, 9.2134, 18.9484**, and the grayscale version is **13.9616, 14.6887, 15.9960**.

A 20% lighter version of the original color is **29.8922, 36.8896, 24.6137**, and **3.5698, 5.1581, 2.0358** is the 20% darker color. If you saturate the color by 10%, you get **11.4334, 15.7615, 7.1424**, and if you desaturate by 10%, it is **13.7150, 16.8426, 11.5452**.

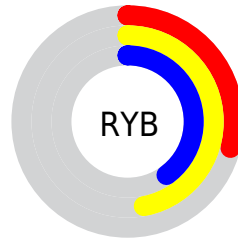
Distribution



Red (36%)

Green (47%)

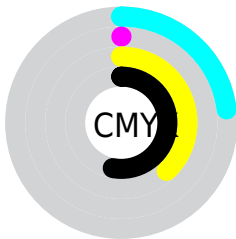
Blue (29%)



Red (29%)

Yellow (47%)

Blue (40%)

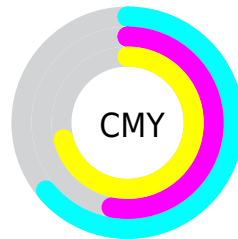


Cyan (23%)

Magenta (0%)

Yellow (38%)

Black (53%)



Cyan (64%)

Magenta (53%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5007, 16.2681, 9.1378 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 12.5007, 16.2681, 9.1378 by changing the saturation by 10% instead.

■ 12.5007, 16.2681,
9.1378

■ 12.5007, 16.2681,
9.1378

201.3954,
230.9186, 194.6583

■ 7.1603, 9.7141,
4.7331

■ 30.0128, 37.0630,
24.7426

■ 3.6097, 5.2098,
2.0356

■ 42.9152, 52.0727,
36.7798

■ 1.4838, 2.3709,
0.5770

■ 59.0689, 70.6697,
52.1982

■ 0.3148, 0.8108,
0.0000

■ 78.8394, 93.2384,
71.4165

■ 0.0000, 0.0000,
0.0000

■ 102.5919,
120.1633, 94.8531

130.6918,

151.8287, 122.9266

163.5045,
188.6190, 156.0555

■ 12.5007, 16.2681,
9.1378

■ 12.5007, 16.2681,
9.1378

■ 11.4334, 15.7615,
7.1424

■ 13.7150, 16.8426,
11.5452

■ 10.5056, 15.3178,
5.5350

■ 15.0808, 17.4852,
14.3850

■ 9.7109, 14.9348,
4.2904

■ 16.6042, 18.1993,
17.6772

■ 9.0419, 14.6094,
3.3803

■ 18.2902, 18.9869,
21.4405

■ 8.4903, 14.3379,
2.7719

■ 20.1439, 19.8503,
25.6924

■ 8.0387, 14.1132,
2.3866

■ 22.1699, 20.7916,
30.4497

■ 7.9356, 14.0619,
2.2960

■ 24.3728, 21.8127,
35.7280

■ 26.7570, 22.9155,
41.5427

■ 29.3266, 24.1020,
47.9082

Harmonies

Analogous

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



14.5683, 16.2681, 7.2658



12.5007, 16.2681, 9.1378



11.3152, 16.2681, 13.5278

Triad

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



12.5007, 16.2681, 9.1378



13.9220, 16.2681, 34.3583



20.7377, 16.2681, 15.2280

Complementary

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



12.5007, 16.2681, 9.1378



11.3864, 9.2134, 18.9484

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.



20.5160, 16.2681, 22.6834



12.5007, 16.2681, 9.1378



16.3922, 16.2681, 35.1795

Square

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



12.5007, 16.2681, 9.1378



12.0720, 16.2681, 28.4463



18.8583, 16.2681, 30.4546



19.4346, 16.2681, 10.0897

Rectangle

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



12.5007, 16.2681, 9.1378



11.0983, 16.2681, 17.9143



18.8583, 16.2681, 30.4546



20.8423, 16.2681, 17.5136

Sweetspot

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



12.5011, 16.2688, 9.1382



28.1595, 31.5194, 28.8116



13.7677, 14.0044, 8.6343



6.6056, 7.4380, 6.6810



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.5011, 16.2688, 9.1382



20.3558, 27.8382, 13.0103



11.0482, 15.5013, 9.9029



4.0885, 4.5209, 4.2816



8.6415, 15.3321, 2.5039



40.3157, 72.6690, 11.9017

Inverse Universe

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



11.3864, 9.2134, 18.9484



18.0898, 13.5240, 32.9100



13.3858, 10.2750, 17.6495



4.0067, 4.0013, 5.0043



6.5980, 2.9742, 19.6116



30.4932, 13.6818, 93.5035

Previews

White Background



This preview shows how the XYZ color 12.5007, 16.2681, 9.1378 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 12.5007, 16.2681, 9.1378 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 12.5007, 16.2681, 9.1378

Background



This preview shows how black text looks on a background with the XYZ color 12.5007, 16.2681, 9.1378.



This preview shows how white text looks on a background with the XYZ color 12.5007, 16.2681,

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

12.5007, 16.2681, 9.1378

Protanopia

14.9899, 16.1938, 8.4666

Deuteranopia

16.3057, 16.0520, 9.4467



Tritanopia

14.8480, 16.1740, 21.0782

Trichromacy



Original Color

12.5007, 16.2681, 9.1378

Protanomaly

13.8889, 16.1220, 8.6832

Deuteranomaly

14.6049, 15.9757, 9.3350

Tritanomaly

13.7767, 16.0728, 16.0119

Monochromacy



Original Color

12.5007, 16.2681, 9.1378

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.3392, 15.2393, 13.0649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5007, 16.2681, 9.1378 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(93, 120, 75) looks like.

```
.text, #text, p{  
    color:rgb(93, 120, 75)  
}
```

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(93, 120, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 120, 75) }
```

Border

The CSS property to change the border of an element to XYZ 12.5007, 16.2681, 9.1378 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(93, 120, 75) }
```


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

```
.border{ border-color:rgb(93, 120, 75) }
```

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

Here you see how a box with a 4 pixel rgb(93, 120, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 120, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 120, 75);  
box-shadow:4px 4px 4px 4px rgb(93, 120,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5007, 16.2681, 9.1378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 120, 75) }
```

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

```
.background{ background-color: rgb(93, 120,  
75) }
```

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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