

Converting Colors

XYZ(12.6166, 16.7787, 15.0008)

Have a look what the booklet for
XYZ(12.6166, 16.7787, 15.0008)
contains.

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Color

**XYZ(12.5738, 16.7252,
14.8775)**

Conversions

Conversions Part 1

Format	Color
Hex	4E7B65
RGB	78, 123, 101
RGB Percent	31%, 48%, 40%
CMY	0.6941, 0.5176, 0.6039
CMYK	0.37, 0.00, 0.18, 0.52
HSL	151°, 22%, 39%
HSV	151°, 37%, 48%
XYZ	12.5738, 16.7252, 14.8775
YIQ	107.0370, -19.7580, -16.3820

Conversions

Conversions Part 2

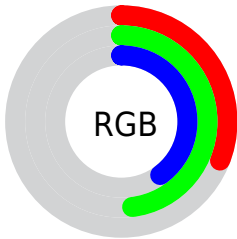
Format	Color
R_{YB}	78, 108, 123
Decimal	5143397
CIE _{Lab}	47.91, -20.71, 7.18
CIE _{LCh}	48, 21.923, 160.879
Yxy	16.7252, 0.2846, 0.3786
Android (android.graphics.Color)	4283333477 (0xFF4E7B65)
YUV	107.0370, -2.9762, -25.4654
Hunter-Lab	40.8965, -16.6882, 7.0587

Details

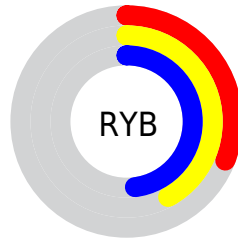
The XYZ color **12.5738, 16.7252, 14.8775** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.1936, 10.5802, 13.4040**, and the grayscale version is **13.9977, 14.7266, 16.0373**.

A 20% lighter version of the original color is **30.2461, 37.9848, 35.4434**, and **3.6501, 5.4399, 4.3477** is the 20% darker color. If you saturate the color by 10%, you get **11.3749, 16.1404, 13.3394**, and if you desaturate by 10%, it is **13.9837, 17.4172, 16.5388**.

Distribution



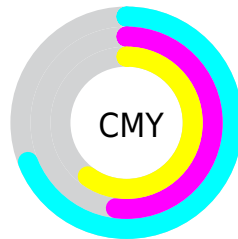
- Red (31%)
- Green (48%)
- Blue (40%)



- Red (31%)
- Yellow (42%)
- Blue (48%)



- Cyan (37%)
- Magenta (0%)
- Yellow (18%)
- Black (52%)



- Cyan (69%)
- Magenta (52%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5738, 16.7252, 14.8775 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 12.5738, 16.7252, 14.8775 by changing the saturation by 10% instead.

■ 12.5738, 16.7252,
14.8775

■ 12.5738, 16.7252,
14.8775

201.8611,
233.5838, 234.2387

■ 7.2107, 10.0388,
8.5878

■ 30.1438, 37.8527,
35.3774

■ 3.6417, 5.4247,
4.3802

■ 43.0814, 53.0625,
50.4247

■ 1.5015, 2.4985,
1.8361

■ 59.2746, 71.8823,
69.2282

■ 0.3269, 0.8759,
0.4516

■ 79.0887, 94.6964,
92.2065

■ 0.0000, 0.0000,
0.0000

■ 102.8890,
121.8892, 119.7782

131.0410,

153.8451, 152.3618

163.9099,
190.9485, 190.3758

■ 12.5738, 16.7252,
14.8775

■ 12.5738, 16.7252,
14.8775

■ 11.3749, 16.1404,
13.3394

■ 13.9837, 17.4172,
16.5388

■ 10.3747, 15.6551,
11.9204

■ 15.6134, 18.2195,
18.3250

■ 9.5615, 15.2639,
10.6178


■ 17.4729, 19.1376,
20.2390


■ 8.9220, 14.9599,
9.4286


■ 19.5710, 20.1762,
22.2836


■ 8.4408, 14.7352,
8.3492


■ 21.9162, 21.3394,
24.4612


 8.0876, 14.5743,
7.3756

 24.5166, 22.6314,
26.7743

 7.9767, 14.5239,
7.0660

 27.3796, 24.0561,
29.2252

 30.5127, 25.6172,
31.8164

 33.9228, 27.3182,
34.5500

Harmonies

Analogous

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



13.5401, 16.7252, 11.1669



12.5738, 16.7252, 14.8775



12.4534, 16.7252, 20.3403

Triad

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



12.5738, 16.7252, 14.8775



16.6239, 16.7252, 31.1061



18.9425, 16.7252, 11.9834

Complementary

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



12.5738, 16.7252, 14.8775



13.1936, 10.5802, 13.4040

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.



19.9227, 16.7252, 16.2355



12.5738, 16.7252, 14.8775



18.5123, 16.7252, 27.7273

Square

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



12.5738, 16.7252, 14.8775



14.6857, 16.7252, 30.5320



19.7590, 16.7252, 22.0084



17.1727, 16.7252, 9.7507

Rectangle

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



12.5738, 16.7252, 14.8775



12.8569, 16.7252, 24.3783



19.7590, 16.7252, 22.0084



19.3816, 16.7252, 13.1827

Sweetspot

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



12.5743, 16.7259, 14.8779



29.6761, 33.4726, 34.6070



13.7697, 17.4546, 9.8513



6.9041, 7.8413, 8.0628



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.5743, 16.7259, 14.8779



20.6685, 29.0481, 24.2871



13.8005, 17.2164, 21.3354



4.0284, 4.4810, 4.6834



8.2488, 15.0232, 7.2948



38.9161, 71.4895, 32.5257

Inverse Universe

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



13.1936, 10.5802, 13.4040



21.9519, 16.3155, 21.2348



12.2684, 10.2101, 8.5321



4.0724, 4.0447, 4.5787



9.2948, 4.6941, 4.8436



43.9098, 22.2203, 20.8530

Previews

White Background



This preview shows how the XYZ color 12.5738, 16.7252, 14.8775 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 12.5738, 16.7252, 14.8775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

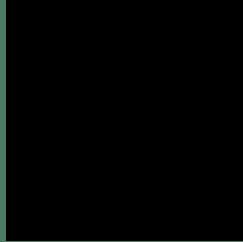
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5738, 16.7252, 14.8775

Background



This preview shows how black text looks on a background with the XYZ color 12.5738, 16.7252, 14.8775.



This preview shows how white text looks on a background with the XYZ color 12.5738, 16.7252,

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

12.5738, 16.7252, 14.8775

Protanopia

15.6242, 16.5767, 13.4425

Deuteranopia

16.8694, 16.5259, 15.3974



Tritanopia

14.2154, 16.6634, 23.2360

Trichromacy



Original Color

12.5738, 16.7252, 14.8775

Protanomaly

14.2748, 16.5475, 13.9969

Deuteranomaly

14.8959, 16.3289, 15.1987

Tritanomaly

13.5259, 16.5587, 19.9360

Monochromacy



Original Color

12.5738, 16.7252, 14.8775

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.2788, 15.3170, 15.6212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5738, 16.7252, 14.8775 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(78, 123, 101)` looks like.

```
.text, #text, p{  
    color:rgb(78, 123, 101)  
}
```

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(78, 123, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 123, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.5738, 16.7252, 14.8775 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(78, 123, 101) }
```


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

```
.border{ border-color:rgb(78, 123, 101) }
```

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

Here you see how a box with a 4 pixel rgb(78, 123, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 123, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 123, 101);  
box-shadow:4px 4px 4px 4px rgb(78, 123,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5738, 16.7252, 14.8775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 123, 101) }
```

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

```
.background{ background-color: rgb(78, 123,  
101) }
```

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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