

Converting Colors

XYZ(12.5322, 16.5930, 14.8802)

Have a look what the booklet for
XYZ(12.5322, 16.5930, 14.8802)
contains.

XYZ(12.4504, 16.4784, 14.8364)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.4504, 16.4784,
14.8364)**

Conversions

Conversions Part 1

Format	Color
Hex	4E7A65
RGB	78, 122, 101
RGB Percent	31%, 48%, 40%
CMY	0.6941, 0.5216, 0.6039
CMYK	0.36, 0.00, 0.17, 0.52
HSL	151°, 22%, 39%
HSV	151°, 36%, 48%
XYZ	12.4504, 16.4784, 14.8364
YIQ	106.4500, -19.4830, -15.8590

Conversions

Conversions Part 2

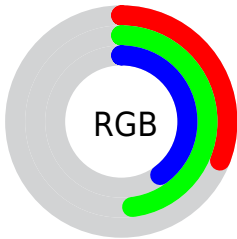
Format	Color
R_{YB}	78, 107, 122
Decimal	5143141
CIE _{Lab}	47.60, -20.19, 6.73
CIE _{LCh}	48, 21.281, 161.560
Yxy	16.4784, 0.2845, 0.3765
Android (android.graphics.Color)	4283333221 (0xFF4E7A65)
YUV	106.4500, -2.6868, -24.9506
Hunter-Lab	40.5936, -16.2913, 6.7458

Details

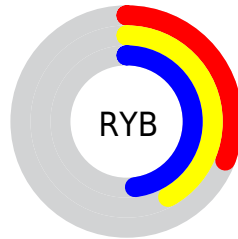
The XYZ color **12.4504, 16.4784, 14.8364** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0031, 10.4876, 13.1440**, and the grayscale version is **13.8346, 14.5551, 15.8505**.

A 20% lighter version of the original color is **30.0507, 37.5941, 35.3783**, and **3.5838, 5.3074, 4.3256** is the 20% darker color. If you saturate the color by 10%, you get **11.2669, 15.9005, 13.3443**, and if you desaturate by 10%, it is **13.8405, 17.1613, 16.4445**.

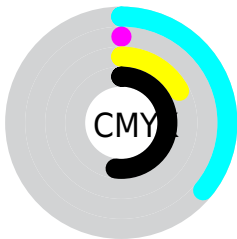
Distribution



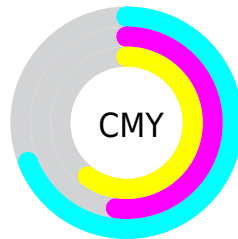
- Red (31%)
- Green (48%)
- Blue (40%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (17%)
- Black (52%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4504, 16.4784, 14.8364 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 12.4504, 16.4784, 14.8364 by changing the saturation by 10% instead.

■ 12.4504, 16.4784,
14.8364

■ 12.4504, 16.4784,
14.8364

201.0743,
232.1483, 233.9804

■ 7.1256, 9.8633,
8.5593

■ 29.9226, 37.4268,
35.3042

■ 3.5878, 5.3084,
4.3620

■ 42.8007, 52.5288,
50.3319

■ 1.4717, 2.4293,
1.8260

■ 58.9272, 71.2287,
69.1136

■ 0.3064, 0.8409,
0.4450

■ 78.6676, 93.9107,
92.0678

■ 0.0000, 0.0000,
0.0000

■ 102.3871,
120.9592, 119.6130

130.4512,

152.7588, 152.1679

163.2251,
189.6937, 190.1508

■ 12.4504, 16.4784,
14.8364

■ 12.4504, 16.4784,
14.8364

■ 11.2669, 15.9005,
13.3443

■ 13.8405, 17.1613,
16.4445

■ 10.2780, 15.4202,
11.9643

■ 15.4458, 17.9523,
18.1699

■ 9.4723, 15.0322,
10.6940

■ 17.2759, 18.8568,
20.0156

■ 8.8370, 14.7298,
9.5305

■ 19.3395, 19.8792,
21.9840

■ 8.3570, 14.5053,
8.4707

■ 21.6448, 21.0237,
24.0773

■ 8.0052, 14.3448,
7.5109

■ 24.1996, 22.2943,
26.2978

■ 7.8788, 14.2873,
7.1590

■ 27.0114, 23.6947,
28.6477

■ 30.0873, 25.2287,
31.1291

■ 33.4341, 26.8996,
33.7442

Harmonies

Analogous

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



13.3648, 16.4784, 11.2055



12.4504, 16.4784, 14.8364



12.3534, 16.4784, 20.1181

Triad

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



12.4504, 16.4784, 14.8364



16.4046, 16.4784, 30.2465



18.5533, 16.4784, 11.8658

Complementary

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



12.4504, 16.4784, 14.8364



13.0031, 10.4876, 13.1440

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.



19.5147, 16.4784, 15.9291



12.4504, 16.4784, 14.8364



18.2089, 16.4784, 26.9493

Square

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



12.4504, 16.4784, 14.8364



14.5365, 16.4784, 29.7892



19.3837, 16.4784, 21.4537



16.8446, 16.4784, 9.7445

Rectangle

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



12.4504, 16.4784, 14.8364



12.7551, 16.4784, 23.9841



19.3837, 16.4784, 21.4537



18.9806, 16.4784, 13.0111

Sweetspot

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



12.4509, 16.4791, 14.8368



28.6679, 32.3206, 33.4971



13.5100, 17.1376, 9.8038



6.4787, 7.3525, 7.5819



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.



12.4509, 16.4791, 14.8368



20.2153, 28.1648, 23.9922



13.5251, 16.7652, 20.9364



4.0302, 4.4817, 4.6929



8.2905, 15.0399, 7.5147



39.1139, 71.5686, 33.5675

Inverse Universe

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



13.0031, 10.4876, 13.1440



21.3342, 16.0305, 20.5660



12.1785, 10.2416, 8.5429



4.0705, 4.0439, 4.5691



9.2562, 4.6786, 4.6401



43.7281, 22.1476, 19.8963

Previews

White Background



This preview shows how the XYZ color 12.4504, 16.4784, 14.8364 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 12.4504, 16.4784, 14.8364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

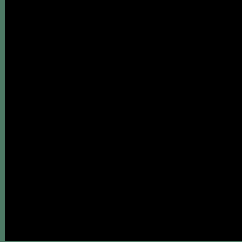
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4504, 16.4784, 14.8364

Background



This preview shows how black text looks on a background with the XYZ color 12.4504, 16.4784, 14.8364.



This preview shows how white text looks on a background with the XYZ color 12.4504, 16.4784,

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

12.4504, 16.4784, 14.8364

Protanopia

15.3767, 16.2844, 13.3991

Deuteranopia

16.7197, 16.4488, 15.3904



Tritanopia

14.0309, 16.4002, 22.8481

Trichromacy



Original Color

12.4504, 16.4784, 14.8364

Protanomaly

14.0435, 16.2562, 13.9529

Deuteranomaly

14.7722, 16.2651, 15.1929

Tritanomaly

13.3465, 16.2955, 19.5814

Monochromacy



Original Color

12.4504, 16.4784, 14.8364

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.1167, 15.0746, 15.3151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4504, 16.4784, 14.8364 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, 122, 101)` looks like.

```
.text, #text, p{  
  color:rgb(78, 122, 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, 122, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 122, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.4504, 16.4784, 14.8364 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, 122, 101) }
```


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

```
.border{ border-color:rgb(78, 122, 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, 122, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 122, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 122, 101);  
box-shadow:4px 4px 4px 4px rgb(78, 122,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4504, 16.4784, 14.8364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 122, 101) }
```

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

```
.background{ background-color: rgb(78, 122,  
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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