

Converting Colors

XYZ(12.7535, 17.3120, 14.0507)

Have a look what the booklet for
XYZ(12.7535, 17.3120, 14.0507)
contains.

XYZ(12.7604, 17.4045, 13.9961)	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(12.7604, 17.4045,
13.9961)**

Conversions

Conversions Part 1

Format	Color
Hex	4E7E61
RGB	78, 126, 97
RGB Percent	31%, 49%, 38%
CMY	0.6941, 0.5059, 0.6196
CMYK	0.38, 0.00, 0.23, 0.51
HSL	144°, 24%, 40%
HSV	144°, 38%, 49%
XYZ	12.7604, 17.4045, 13.9961
YIQ	108.3420, -19.2990, -19.1950

Conversions

Conversions Part 2

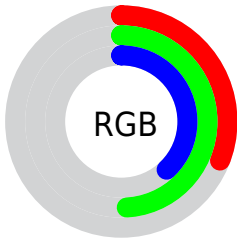
Format	Color
RYB	78, 112, 126
Decimal	5144161
CIELab	48.77, -23.14, 10.73
CIELCh	49, 25.506, 155.124
Yxy	17.4045, 0.2890, 0.3941
Android (android.graphics.Color)	4283334241 (0xFF4E7E61)
YUV	108.3420, -5.5916, -26.6099
Hunter-Lab	41.7187, -18.4104, 9.3120

Details

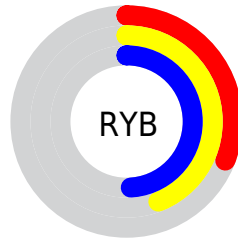
The XYZ color **12.7604, 17.4045, 13.9961** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.9830, 10.9463, 15.2865**, and the grayscale version is **14.3694, 15.1178, 16.4632**.

A 20% lighter version of the original color is **30.5187, 39.0454, 33.9450**, and **3.7581, 5.8080, 4.0549** is the 20% darker color. If you saturate the color by 10%, you get **11.4873, 16.7877, 12.1718**, and if you desaturate by 10%, it is **14.2664, 18.1383, 16.0099**.

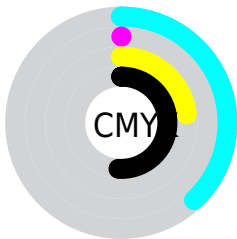
Distribution



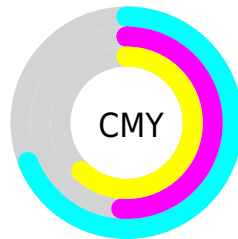
- Red (31%)
- Green (49%)
- Blue (38%)



- Red (31%)
- Yellow (44%)
- Blue (49%)



- Cyan (38%)
- Magenta (0%)
- Yellow (23%)
- Black (51%)





- Cyan (69%)
- Magenta (51%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7604, 17.4045, 13.9961 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 12.7604, 17.4045, 13.9961 by changing the saturation by 10% instead.


 12.7604, 17.4045,
13.9961


 12.7604, 17.4045,
13.9961


203.0451,
237.4927, 228.6342


 7.3396, 10.5233,
7.9792


 30.4776, 39.0200,
33.7991


 3.7236, 5.7473,
3.9941

 43.5048, 54.5230,
48.4224


 1.5470, 2.6920,
1.6221

 59.7982, 73.6688,
66.7515

 0.3575, 0.9731,
0.3065

 79.7231, 96.8417,
89.2050

 0.0000, 0.0000,
0.0000

 103.6449,
124.4262, 116.2015

131.9289,

156.8066, 148.1595

164.9405,
194.3673, 185.4976

■ 12.7604, 17.4045,
13.9961

■ 12.7604, 17.4045,
13.9961

■ 11.4873, 16.7877,
12.1718

■ 14.2664, 18.1383,
16.0099

■ 10.4334, 16.2797,
10.5303

■ 16.0151, 18.9928,
18.2174

■ 9.5856, 15.8741,
9.0661

■ 18.0177, 19.9740,
20.6240

■ 8.9289, 15.5635,
7.7731

■ 20.2842, 21.0869,
23.2346

■ 8.4460, 15.3391,
6.6447

■ 22.8238, 22.3364,
26.0541

■ 8.0959, 15.1798,
5.6729

■ 25.6456, 23.7269,
29.0869

■ 8.0342, 15.1516,
5.5046

■ 28.7581, 25.2627,
32.3375

■ 32.1693, 26.9479,
35.8101

■ 35.8872, 28.7866,
39.5090

Harmonies

Analogous

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



14.0684, 17.4045, 10.1901



12.7604, 17.4045, 13.9961



12.4248, 17.4045, 20.1343

Triad

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



12.7604, 17.4045, 13.9961



16.9508, 17.4045, 35.0502



20.5351, 17.4045, 12.4180

Complementary

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



12.7604, 17.4045, 13.9961



13.9830, 10.9463, 15.2865

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.



21.4821, 17.4045, 17.8142



12.7604, 17.4045, 13.9961



19.2908, 17.4045, 31.6796

Square

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



12.7604, 17.4045, 13.9961



14.7075, 17.4045, 33.3416



21.0065, 17.4045, 24.9547



18.5240, 17.4045, 9.4422

Rectangle

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



12.7604, 17.4045, 13.9961



12.7674, 17.4045, 25.0162



21.0065, 17.4045, 24.9547



20.9967, 17.4045, 13.9544

Sweetspot

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



12.7609, 17.4052, 13.9965



30.5501, 34.5864, 34.9236



14.9724, 18.6357, 10.0158



6.8617, 7.8243, 7.8395



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.



12.7609, 17.4052, 13.9965



20.4301, 29.6507, 21.7371



14.0178, 17.9080, 20.6154



4.3411, 4.8447, 4.9672



8.2400, 15.5426, 5.6365



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.9830, 10.9463, 15.2865



22.9127, 16.5150, 24.3464



12.9137, 10.5186, 9.6555



4.4283, 4.3845, 5.0598



10.1678, 5.0868, 7.4732



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7604, 17.4045, 13.9961 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 12.7604, 17.4045, 13.9961 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 12.7604, 17.4045, 13.9961

Background



This preview shows how black text looks on a background with the XYZ color 12.7604, 17.4045, 13.9961.



This preview shows how white text looks on a background with the XYZ color 12.7604, 17.4045,

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

12.7604, 17.4045, 13.9961

Protanopia

16.2309, 17.2451, 12.5984

Deuteranopia

17.5004, 17.1945, 14.4531



Tritanopia

14.7719, 17.2919, 24.0318

Trichromacy



Original Color

12.7604, 17.4045, 13.9961

Protanomaly

14.6806, 17.1276, 13.1219

Deuteranomaly

15.1796, 16.8364, 14.2541

Tritanomaly

13.9800, 17.3368, 20.0623

Monochromacy



Original Color

12.7604, 17.4045, 13.9961

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.5592, 15.8023, 15.4322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7604, 17.4045, 13.9961 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, 126, 97)` looks like.

```
.text, #text, p{  
    color:rgb(78, 126, 97)  
}
```

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, 126, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 126, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.7604, 17.4045, 13.9961 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, 126, 97) }
```


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

```
.border{ border-color:rgb(78, 126, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 126, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 126, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 126, 97);  
box-shadow:4px 4px 4px 4px rgb(78, 126,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7604, 17.4045, 13.9961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 126, 97) }
```

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

```
.background{ background-color: rgb(78, 126,  
97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor