

Converting Colors

XYZ(12.7744, 16.9274, 17.0023)

Have a look what the booklet for
XYZ(12.7744, 16.9274, 17.0023)
contains.

XYZ(12.7920, 16.9753, 17.0703)	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(12.7920, 16.9753,
17.0703)**

Conversions

Conversions Part 1

Format	Color
Hex	4A7C6D
RGB	74, 124, 109
RGB Percent	29%, 49%, 43%
CMY	0.7098, 0.5137, 0.5725
CMYK	0.40, 0.00, 0.12, 0.51
HSL	162°, 25%, 39%
HSV	162°, 40%, 49%
XYZ	12.7920, 16.9753, 17.0703
YIQ	107.3400, -24.9850, -15.2650

Conversions

Conversions Part 2

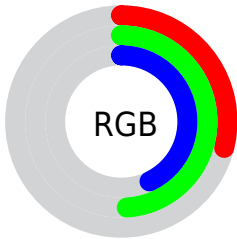
Format	Color
R_{YB}	74, 103, 124
Decimal	4881517
CIE _{Lab}	48.23, -20.61, 2.90
CIE _{LCh}	48, 20.817, 172.001
Yxy	16.9753, 0.2731, 0.3624
Android (android.graphics.Color)	4283071597 (0xFF4A7C6D)
YUV	107.3400, 0.8184, -29.2392
Hunter-Lab	41.2011, -16.6817, 4.2759

Details

The XYZ color **12.7920, 16.9753, 17.0703** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.5647, 9.9043, 10.7014**, and the grayscale version is **14.0727, 14.8056, 16.1233**.

A 20% lighter version of the original color is **30.5248, 38.3423, 39.0497**, and **3.7623, 5.5741, 5.4351** is the 20% darker color. If you saturate the color by 10%, you get **11.7339, 16.4529, 15.9976**, and if you desaturate by 10%, it is **14.0478, 17.5995, 18.1973**.

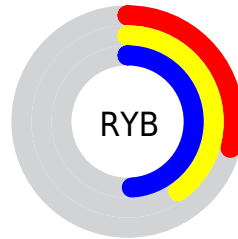
Distribution



Red (29%)

Green (49%)

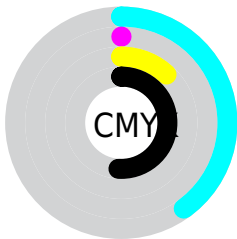
Blue (43%)



Red (29%)

Yellow (40%)

Blue (49%)

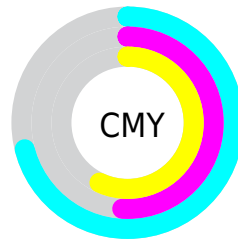


Cyan (40%)

Magenta (0%)

Yellow (12%)

Black (51%)



Cyan (71%)

Magenta (51%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7920, 16.9753, 17.0703 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 12.7920, 16.9753, 17.0703 by changing the saturation by 10% instead.

■ 12.7920, 16.9753,
17.0703

■ 12.7920, 16.9753,
17.0703

203.2449,
235.0300, 247.6348

■ 7.3615, 10.2169,
10.1221

■ 30.5341, 38.2833,
39.2389

■ 3.7375, 5.5430,
5.3734

■ 43.5764, 53.6017,
55.2964

■ 1.5547, 2.5692,
2.4054

■ 59.8867, 72.5422,
75.2275

■ 0.3626, 0.9112,
0.7894

■ 79.8302, 95.4891,
99.4507

■ 0.0000, 0.0000,
0.0000

■ 103.7725,
122.8270, 128.3844

132.0788,

154.9402, 162.4473

165.1145,
192.2131, 202.0580

■ 12.7920, 16.9753,
17.0703

■ 12.7920, 16.9753,
17.0703

■ 11.7339, 16.4529,
15.9976

■ 14.0478, 17.5995,
18.1973

■ 10.8608, 16.0245,
14.9769

■ 15.5101, 18.3287,
19.3783

■ 10.1608, 15.6844,
14.0075

■ 17.1890, 19.1686,
20.6149

■ 9.6200, 15.4254,
13.0881

■ 19.0935, 20.1237,
21.9078

■ 9.2221, 15.2391,
12.2175

■ 21.2319, 21.1985,
23.2580

■ 8.9200, 15.1008,
11.4183

■ 23.6124, 22.3970,
24.6663

■ 26.2425, 23.7231,
26.1337

■ 29.1295, 25.1806,
27.6609

■ 32.2805, 26.7731,
29.2487

Harmonies

Analogous

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



13.4330, 16.9753, 12.7799



12.7920, 16.9753, 17.0703



12.9897, 16.9753, 22.6696

Triad

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



12.7920, 16.9753, 17.0703



17.5368, 16.9753, 29.9302



18.4806, 16.9753, 11.4259

Complementary

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



12.7920, 16.9753, 17.0703



12.5647, 9.9043, 10.7014

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.



19.7498, 16.9753, 14.8468



12.7920, 16.9753, 17.0703



19.1759, 16.9753, 25.6719

Square

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



12.7920, 16.9753, 17.0703



15.6333, 16.9753, 30.8462



20.0138, 16.9753, 19.9720



16.6463, 16.9753, 9.9633

Rectangle

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



12.7920, 16.9753, 17.0703



13.5781, 16.9753, 26.3723



20.0138, 16.9753, 19.9720



18.9932, 16.9753, 12.3489

Sweetspot

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



12.7925, 16.9760, 17.0707



29.6368, 33.4250, 35.8411



12.6445, 17.0758, 9.1083



6.9071, 7.8356, 8.3886



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.



12.7925, 16.9760, 17.0707



20.8511, 29.0521, 28.3694



12.5744, 15.1352, 21.3283



4.0583, 4.4929, 4.8406



9.0665, 15.3503, 11.6011



42.8586, 73.0665, 53.2869

Inverse Universe

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



12.5647, 9.9043, 10.7014



20.3988, 14.8646, 15.6141



12.6548, 10.9920, 7.9335



4.0432, 4.0330, 4.4253



8.7918, 4.4929, 2.1946



41.6036, 21.2978, 8.7087

Previews

White Background



This preview shows how the XYZ color 12.7920, 16.9753, 17.0703 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 12.7920, 16.9753, 17.0703 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 12.7920, 16.9753, 17.0703

Background



This preview shows how black text looks on a background with the XYZ color 12.7920, 16.9753, 17.0703.

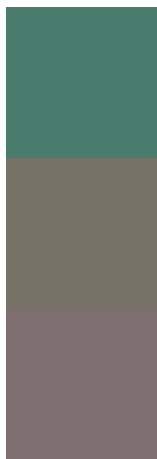


This preview shows how white text looks on a background with the XYZ color 12.7920, 16.9753,

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

12.7920, 16.9753, 17.0703

Protanopia

16.0732, 16.9358, 15.2538

Deuteranopia

17.1047, 16.7573, 17.6622



Tritanopia

14.1586, 16.9757, 24.0031

Trichromacy



Original Color

12.7920, 16.9753, 17.0703

Protanomaly

14.6218, 16.8604, 15.8483

Deuteranomaly

15.0634, 16.5350, 17.4366

Tritanomaly

13.5953, 16.9269, 21.2896

Monochromacy



Original Color

12.7920, 16.9753, 17.0703

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.3312, 15.3259, 16.4429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7920, 16.9753, 17.0703 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(74, 124, 109)` looks like.

```
.text, #text, p{  
    color:rgb(74, 124, 109)  
}
```

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(74, 124, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 124, 109) }
```

Border

The CSS property to change the border of an element to XYZ 12.7920, 16.9753, 17.0703 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(74, 124, 109) }
```


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

```
.border{ border-color:rgb(74, 124, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 124, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 124, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 124, 109);  
box-shadow:4px 4px 4px 4px rgb(74, 124,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7920, 16.9753, 17.0703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 124, 109) }
```

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

```
.background{ background-color: rgb(74, 124,  
109) }
```

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