

Converting Colors

XYZ(12.7954, 17.4496, 21.4326)

Have a look what the booklet for
XYZ(12.7954, 17.4496, 21.4326)
contains.

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Color

**XYZ(12.7954, 17.4496,
21.4326)**

Conversions

Conversions Part 1

Format	Color
Hex	387F7B
RGB	56, 127, 123
RGB Percent	22%, 50%, 48%
CMY	0.7804, 0.5020, 0.5176
CMYK	0.56, 0.00, 0.03, 0.50
HSL	177°, 39%, 36%
HSV	177°, 56%, 50%
XYZ	12.7954, 17.4496, 21.4326
YIQ	105.3150, -41.0320, -16.2960

Conversions

Conversions Part 2

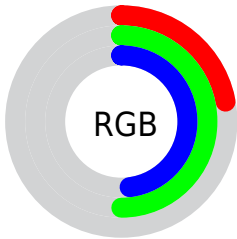
Format	Color
RYB	56, 93, 127
Decimal	3702651
CIELab	48.82, -23.15, -4.58
CIELCh	49, 23.596, 191.193
Yxy	17.4496, 0.2476, 0.3377
Android (android.graphics.Color)	4281892731 (0xFF387F7B)
YUV	105.3150, 8.7187, -43.2493
Hunter-Lab	41.7727, -18.4259, -1.1794

Details

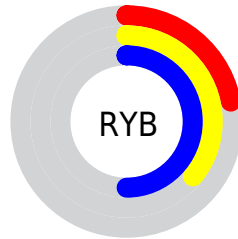
The XYZ color **12.7954, 17.4496, 21.4326** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **10.9828, 7.6671, 5.1766**, and the grayscale version is **13.4982, 14.2011, 15.4650**.

A 20% lighter version of the original color is **30.4895, 39.0527, 46.4884**, and **3.8899, 5.8022, 7.3935** is the 20% darker color. If you saturate the color by 10%, you get **12.1292, 17.1117, 21.1687**, and if you desaturate by 10%, it is **13.6431, 17.8818, 21.7074**.

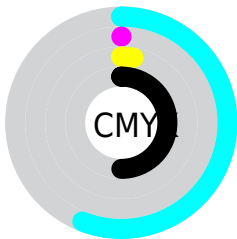
Distribution



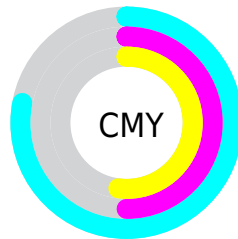
- Red (22%)
- Green (50%)
- Blue (48%)



- Red (22%)
- Yellow (36%)
- Blue (50%)



- Cyan (56%)
- Magenta (0%)
- Yellow (3%)
- Black (50%)



- Cyan (78%)
- Magenta (50%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7954, 17.4496, 21.4326 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 12.7954, 17.4496, 21.4326 by changing the saturation by 10% instead.

12.7954, 17.4496,
21.4326

12.7954, 17.4496,
21.4326

203.2664,
237.7501, 272.4248

7.3638, 10.5556,
13.2463

30.5402, 39.0972,
46.6965

3.7390, 5.7688,
7.4656

43.5841, 54.6195,
64.6111

1.5556, 2.7050,
3.6721

59.8962, 73.7868,
86.6056

0.3632, 0.9798,
1.4473

79.8418, 96.9833,
113.0985

0.0000, 0.0000,
0.1782

103.7862,
124.5935, 144.5084

0.0000, 0.0000,
0.0000

132.0949,

157.0018, 181.2537

165.1332,
194.5925, 223.7530

■ 12.7954, 17.4496,
21.4326

■ 12.7954, 17.4496,
21.4326

■ 12.1292, 17.1117,
21.1687

■ 13.6431, 17.8818,
21.7074

■ 11.6291, 16.8590,
20.9140

■ 14.6832, 18.4128,
21.9926

■ 11.2795, 16.6839,
20.6679

■ 15.9275, 19.0490,
22.2891

■ 11.0533, 16.5723,
20.4294

■ 17.3866, 19.7958,
22.5973

■ 10.9704, 16.5317,
20.3326

■ 19.0702, 20.6584,
22.9178

■ 20.9874, 21.6414,
23.2509

■ 23.1469, 22.7492,
23.5971

■ 25.5569, 23.9861,
23.9567

■ 28.2251, 25.3562,
24.3302

Harmonies

Analogous

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



12.9173, 17.4496, 15.3782



12.7954, 17.4496, 21.4326



13.6201, 17.4496, 28.0782

Triad

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



12.7954, 17.4496, 21.4326



19.5094, 17.4496, 29.5700



17.9772, 17.4496, 9.7332

Complementary

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



12.7954, 17.4496, 21.4326



10.9828, 7.6671, 5.1766

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.



19.9524, 17.4496, 12.1251



12.7954, 17.4496, 21.4326



20.8893, 17.4496, 23.1492

Square

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



12.7954, 17.4496, 21.4326



17.4144, 17.4496, 33.4184



21.0582, 17.4496, 16.7582



15.7830, 17.4496, 9.4708

Rectangle

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



12.7954, 17.4496, 21.4326



14.6419, 17.4496, 31.6153



21.0582, 17.4496, 16.7582



18.6936, 17.4496, 10.2854

Sweetspot

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



12.7959, 17.4503, 21.4330



30.7169, 35.2347, 40.3807



10.2118, 16.4487, 6.3784



7.0878, 8.1962, 9.4329



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.7959, 17.4503, 21.4330



21.4506, 30.5056, 37.7824



9.6664, 10.7820, 21.6512



4.4363, 4.8828, 5.4687



11.0634, 16.6719, 20.5043



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.9828, 7.6671, 5.1766



17.8665, 11.1202, 5.6135



12.8562, 11.5768, 5.2986



4.3368, 4.3479, 4.5783



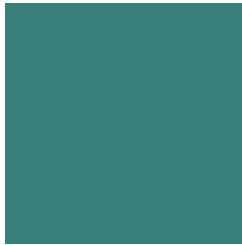
8.8664, 4.5663, 0.6204



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7954, 17.4496, 21.4326 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 12.7954, 17.4496, 21.4326 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 12.7954, 17.4496, 21.4326

Background



This preview shows how black text looks on a background with the XYZ color 12.7954, 17.4496, 21.4326.



This preview shows how white text looks on a background with the XYZ color 12.7954, 17.4496,

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

12.7954, 17.4496, 21.4326

Protanopia

16.6192, 17.3043, 18.9871

Deuteranopia

17.5861, 17.2323, 22.1379



Tritanopia

13.6313, 17.4086, 25.5634

Trichromacy



Original Color

12.7954, 17.4496, 21.4326

Protanomaly

14.6459, 16.9585, 19.9542

Deuteranomaly

15.1000, 16.7999, 21.8489

Tritanomaly

13.3612, 17.4902, 24.1445

Monochromacy



Original Color

12.7954, 17.4496, 21.4326

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7602, 15.0063, 17.5532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7954, 17.4496, 21.4326 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(56, 127, 123)` looks like.

```
.text, #text, p{  
    color:rgb(56, 127, 123)  
}
```

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(56, 127, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 127, 123) }
```

Border

The CSS property to change the border of an element to XYZ 12.7954, 17.4496, 21.4326 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(56, 127, 123) }
```


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

```
.border{ border-color:rgb(56, 127, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 127, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 127, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 127, 123);  
box-shadow:4px 4px 4px 4px rgb(56, 127,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7954, 17.4496, 21.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 127, 123) }
```

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

```
.background{ background-color: rgb(56, 127,  
123) }
```

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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