

Converting Colors

XYZ(12.7947, 15.9492, 17.2618)

Have a look what the booklet for
XYZ(12.7947, 15.9492, 17.2618)
contains.

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Color

**XYZ(12.7726, 15.8765,
17.1431)**

Conversions

Conversions Part 1

Format	Color
Hex	52766E
RGB	82, 118, 110
RGB Percent	32%, 46%, 43%
CMY	0.6784, 0.5372, 0.5686
CMYK	0.31, 0.00, 0.07, 0.54
HSL	167°, 18%, 39%
HSV	167°, 31%, 46%
XYZ	12.7726, 15.8765, 17.1431
YIQ	106.3240, -18.8880, -10.1200

Conversions

Conversions Part 2

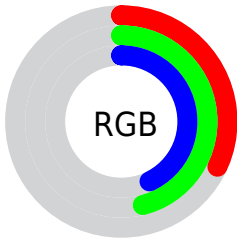
Format	Color
RYB	82, 102, 118
Decimal	5404270
CIELab	46.81, -14.64, 0.30
CIElCh	47, 14.640, 178.822
Yxy	15.8765, 0.2789, 0.3467
Android (android.graphics.Color)	4283594350 (0xFF52766E)
YUV	106.3240, 1.8123, -21.3321
Hunter-Lab	39.8453, -12.5103, 2.3827

Details

The XYZ color **12.7726, 15.8765, 17.1431** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3346, 10.6248, 11.0743**, and the grayscale version is **13.7878, 14.5058, 15.7968**.

A 20% lighter version of the original color is **30.5692, 36.3446, 39.5865**, and **3.7805, 5.0965, 5.4871** is the 20% darker color. If you saturate the color by 10%, you get **11.6928, 15.3365, 16.3584**, and if you desaturate by 10%, it is **14.0340, 16.5104, 17.9591**.

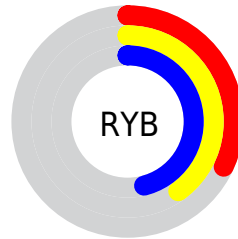
Distribution



Red (32%)

Green (46%)

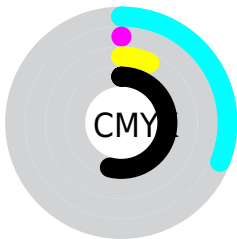
Blue (43%)



Red (32%)

Yellow (40%)

Blue (46%)

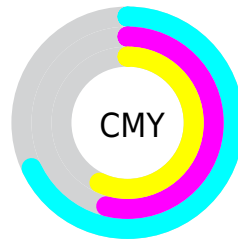


Cyan (31%)

Magenta (0%)

Yellow (7%)

Black (54%)



Cyan (68%)

Magenta (54%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7726, 15.8765, 17.1431 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 12.7726, 15.8765, 17.1431 by changing the saturation by 10% instead.

■ 12.7726, 15.8765,
17.1431

■ 12.7726, 15.8765,
17.1431

203.1223,
228.6119, 248.0675

■ 7.3481, 9.4368,
10.1735

■ 30.4994, 36.3837,
39.3657

■ 3.7290, 5.0272,
5.4071

■ 43.5325, 51.2199,
55.4558

■ 1.5500, 2.2632,
2.4251

■ 59.8324, 69.6238,
75.4231

■ 0.3595, 0.7541,
0.8001

■ 79.7645, 91.9798,
99.6862

■ 0.0000, 0.0000,
0.0000

■ 103.6942,
118.6722, 128.6637

131.9868,

150.0854, 162.7740

165.0077,
186.6038, 202.4358

■ 12.7726, 15.8765,
17.1431

■ 12.7726, 15.8765,
17.1431

■ 11.6928, 15.3365,
16.3584

■ 14.0340, 16.5104,
17.9591

■ 10.7843, 14.8839,
15.6032

■ 15.4841, 17.2408,
18.8058

■ 10.0375, 14.5143,
14.8774

■ 17.1313, 18.0722,
19.6841

■ 9.4417, 14.2219,
14.1800

■ 18.9829, 19.0085,
20.5947

■ 8.9845, 14.0006,
13.5105

■ 21.0460, 20.0533,
21.5379

■ 8.6517, 13.8429,
12.8679

■ 23.3274, 21.2102,
22.5144

■ 8.4007, 13.7262,
12.2804

■ 25.8334, 22.4823,
23.5245

■ 28.5702, 23.8729,
24.5687

■ 31.5436, 25.3849,
25.6475

Harmonies

Analogous

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



13.0911, 15.8765, 13.9054



12.7726, 15.8765, 17.1431



13.0454, 15.8765, 20.8918

Triad

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



12.7726, 15.8765, 17.1431



16.3013, 15.8765, 24.1854



16.3933, 15.8765, 11.9556

Complementary

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



12.7726, 15.8765, 17.1431



12.3346, 10.6248, 11.0743

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.



17.3381, 15.8765, 14.1224



12.7726, 15.8765, 17.1431



17.2829, 15.8765, 21.1762

Square

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



12.7726, 15.8765, 17.1431



15.0399, 15.8765, 25.2862



17.6723, 15.8765, 17.4313



15.1405, 15.8765, 11.1821

Rectangle

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



12.7726, 15.8765, 17.1431



13.5351, 15.8765, 23.1188



17.6723, 15.8765, 17.4313



16.7600, 15.8765, 12.5287

Sweetspot

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



12.7731, 15.8771, 17.1435



27.5773, 30.4913, 33.2605



12.2574, 15.7605, 10.3790



6.2662, 6.9730, 7.6060



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.7731, 15.8771, 17.1435



21.0207, 27.1963, 29.1142



12.1551, 13.9121, 19.1849



3.7501, 4.1420, 4.5182



9.0832, 14.8473, 13.2601



43.9323, 72.2202, 62.8736

Inverse Universe

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



12.3346, 10.6248, 11.0743



20.1142, 16.3129, 16.5487



12.7873, 12.0464, 9.6342



3.7142, 3.7130, 4.0219



8.2830, 4.2469, 1.4326



40.0912, 20.5866, 5.5437

Previews

White Background



This preview shows how the XYZ color 12.7726, 15.8765, 17.1431 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 12.7726, 15.8765, 17.1431 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

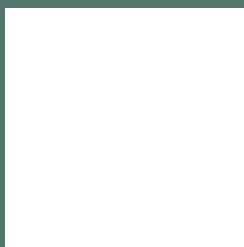
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7726, 15.8765, 17.1431

Background



This preview shows how black text looks on a background with the XYZ color 12.7726, 15.8765, 17.1431.



This preview shows how white text looks on a background with the XYZ color 12.7726, 15.8765,

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

12.7726, 15.8765, 17.1431

Protanopia

15.1169, 15.7699, 15.8828

Deuteranopia

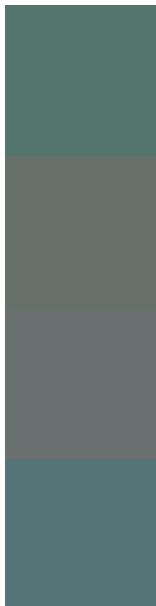
15.9281, 15.6783, 17.5160



Tritanopia

13.6934, 15.9027, 21.7499

Trichromacy



Original Color

12.7726, 15.8765, 17.1431

Protanomaly

14.0385, 15.6966, 16.1998

Deuteranomaly

14.4975, 15.5807, 17.2822

Tritanomaly

13.4076, 15.9635, 20.1439

Monochromacy



Original Color

12.7726, 15.8765, 17.1431

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.1595, 14.7548, 16.0643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7726, 15.8765, 17.1431 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(82, 118, 110)` looks like.

```
.text, #text, p{  
    color:rgb(82, 118, 110)  
}
```

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(82, 118, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 118, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.7726, 15.8765, 17.1431 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(82, 118, 110) }
```


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

```
.border{ border-color:rgb(82, 118, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 118, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 118, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 118, 110);  
box-shadow:4px 4px 4px 4px rgb(82, 118,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7726, 15.8765, 17.1431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 118, 110) }
```

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

```
.background{ background-color: rgb(82, 118,  
110) }
```

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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