

Converting Colors

XYZ(12.2977, 15.8440, 11.1190)

Have a look what the booklet for
XYZ(12.2977, 15.8440, 11.1190)
contains.

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Color

**XYZ(12.2780, 15.7526,
11.1975)**

Conversions

Conversions Part 1

Format	Color
Hex	597656
RGB	89, 118, 86
RGB Percent	35%, 46%, 34%
CMY	0.6510, 0.5372, 0.6627
CMYK	0.25, 0.00, 0.27, 0.54
HSL	114°, 16%, 40%
HSV	114°, 27%, 46%
XYZ	12.2780, 15.7526, 11.1975
YIQ	105.6810, -7.0120, -16.1000

Conversions

Conversions Part 2

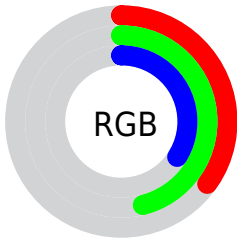
Format	Color
R_{YB}	86, 118, 115
Decimal	5862998
CIE _{Lab}	46.65, -17.28, 14.31
CIE _{LCh}	47, 22.438, 140.368
Yxy	15.7526, 0.3130, 0.4016
Android (android.graphics.Color)	4284053078 (0xFF597656)
YUV	105.6810, -9.7027, -14.6292
Hunter-Lab	39.6895, -14.2376, 11.0554

Details

The XYZ color **12.2780, 15.7526, 11.1975** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.6686, 11.6088, 18.6606**, and the grayscale version is **13.6398, 14.3501, 15.6272**.

A 20% lighter version of the original color is **29.6339, 36.1025, 28.6992**, and **3.4832, 4.9086, 2.8617** is the 20% darker color. If you saturate the color by 10%, you get **10.8886, 15.0873, 8.8523**, and if you desaturate by 10%, it is **13.8958, 16.5275, 13.9639**.

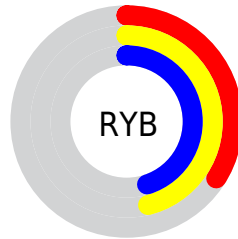
Distribution



Red (35%)

Green (46%)

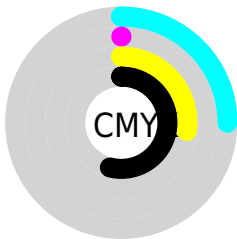
Blue (34%)



Red (34%)

Yellow (46%)

Blue (45%)

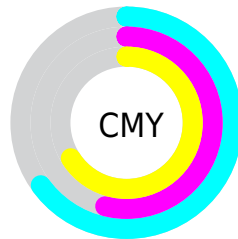


Cyan (25%)

Magenta (0%)

Yellow (27%)

Black (54%)



Cyan (65%)

Magenta (54%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2780, 15.7526, 11.1975 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 12.2780, 15.7526, 11.1975 by changing the saturation by 10% instead.

■ 12.2780, 15.7526,
11.1975

■ 12.2780, 15.7526,
11.1975

199.9697,
227.8774, 209.8034

■ 7.0068, 9.3493,
6.0840

■ 29.6129, 36.1682,
28.6670

■ 3.5128, 4.9697,
2.8266

■ 42.4074, 50.9492,
41.8601

■ 1.4304, 2.2295,
1.0068

■ 58.4403, 69.2916,
58.5835

■ 0.2777, 0.7360,
0.0000

■ 78.0771, 91.5797,
79.2557

■ 0.0000, 0.0000,
0.0000

■ 101.6831,
118.1979, 104.2952

129.6236,

149.5307, 134.1206

162.2640,
185.9624, 169.1505

■ 12.2780, 15.7526,
11.1975

■ 12.2780, 15.7526,
11.1975

■ 10.8886, 15.0873,
8.8523

■ 13.8958, 16.5275,
13.9639

■ 9.7163, 14.5248,
6.9067

■ 15.7505, 17.4146,
17.1696

■ 8.7502, 14.0605,
5.3387

■ 17.8514, 18.4188,
20.8329

■ 7.9785, 13.6887,
4.1238

■ 20.2072, 19.5441,
24.9709

■ 7.3879, 13.4033,
3.2346

■ 22.8261, 20.7944,
29.5996

■ 6.9633, 13.1971,
2.6397

■ 25.7157, 22.1734,
34.7345

■ 6.6807, 13.0594,
2.2662

■ 28.8837, 23.6847,
40.3902

■ 6.6176, 13.0290,
2.1661

■ 32.3371, 25.3315,
46.5807

■ 36.0830, 27.1173,
53.3197

Harmonies

Analogous

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



13.7106, 15.7526, 8.9561



12.2780, 15.7526, 11.1975



11.5860, 15.7526, 15.4249

Triad

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



12.2780, 15.7526, 11.1975



14.3565, 15.7526, 29.9955



18.7509, 15.7526, 13.6942

Complementary

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



12.2780, 15.7526, 11.1975



13.6686, 11.6088, 18.6606

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.



18.9616, 15.7526, 19.0032



12.2780, 15.7526, 11.1975



16.3093, 15.7526, 29.2504

Square

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



12.2780, 15.7526, 11.1975



12.7157, 15.7526, 26.7712



18.0346, 15.7526, 24.9130



17.4814, 15.7526, 10.1666

Rectangle

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



12.2780, 15.7526, 11.1975



11.5930, 15.7526, 19.1484



18.0346, 15.7526, 24.9130



18.9519, 15.7526, 15.2993

Sweetspot

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



12.2784, 15.7533, 11.1978



27.3206, 30.4410, 29.5415



15.2595, 16.7401, 11.2312



6.1832, 6.9519, 6.6218



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.



12.2784, 15.7533, 11.1978



19.9076, 26.8928, 16.8450



12.5592, 15.8330, 14.1488



3.6696, 4.1131, 3.9428



7.1531, 14.0919, 2.3430



34.5178, 68.4963, 11.4018

Inverse Universe

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



13.6686, 11.6088, 18.6606



22.8125, 18.2240, 32.4522



13.3596, 11.5315, 14.9408



3.7944, 3.7413, 4.6124



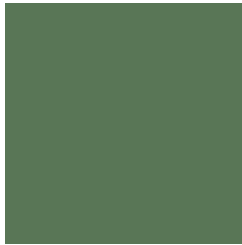
10.0838, 4.7897, 18.9356



48.7520, 23.1411, 92.2574

Previews

White Background



This preview shows how the XYZ color 12.2780, 15.7526, 11.1975 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 12.2780, 15.7526, 11.1975 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 12.2780, 15.7526, 11.1975

Background



This preview shows how black text looks on a background with the XYZ color 12.2780, 15.7526, 11.1975.



This preview shows how white text looks on a background with the XYZ color 12.2780, 15.7526,

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

12.2780, 15.7526, 11.1975

Protanopia

14.5701, 15.6126, 10.2282

Deuteranopia

15.8593, 15.6185, 11.6300



Tritanopia

14.1373, 15.6483, 20.6877

Trichromacy



Original Color

12.2780, 15.7526, 11.1975

Protanomaly

13.5299, 15.5606, 10.4740

Deuteranomaly

14.2768, 15.4338, 11.4591

Tritanomaly

13.4053, 15.6928, 16.7905

Monochromacy



Original Color

12.2780, 15.7526, 11.1975

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.0836, 14.7620, 13.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2780, 15.7526, 11.1975 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(89, 118, 86) looks like.

```
.text, #text, p{  
    color:rgb(89, 118, 86)  
}
```

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(89, 118, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 118, 86) }
```

Border

The CSS property to change the border of an element to XYZ 12.2780, 15.7526, 11.1975 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(89, 118, 86) }
```


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

```
.border{ border-color:rgb(89, 118, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 118, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 118, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 118, 86);  
box-shadow:4px 4px 4px 4px rgb(89, 118,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2780, 15.7526, 11.1975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 118, 86) }
```

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

```
.background{ background-color: rgb(89, 118,  
86) }
```

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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