

Converting Colors

XYZ(12.5387, 15.9683, 17.9542)

Have a look what the booklet for
XYZ(12.5387, 15.9683, 17.9542)
contains.

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Color

**XYZ(12.5580, 15.9224,
18.0342)**

Conversions

Conversions Part 1

Format	Color
Hex	4C7771
RGB	76, 119, 113
RGB Percent	30%, 47%, 44%
CMY	0.7020, 0.5333, 0.5569
CMYK	0.36, 0.00, 0.05, 0.53
HSL	172°, 22%, 38%
HSV	172°, 36%, 47%
XYZ	12.5580, 15.9224, 18.0342
YIQ	105.4590, -23.7020, -10.9820

Conversions

Conversions Part 2

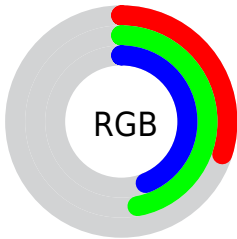
Format	Color
RYB	76, 99, 119
Decimal	5011313
CIELab	46.87, -16.34, -1.43
CIELCh	47, 16.403, 185.017
Yxy	15.9224, 0.2700, 0.3423
Android (android.graphics.Color)	4283201393 (0xFF4C7771)
YUV	105.4590, 3.7177, -25.8355
Hunter-Lab	39.9029, -13.6536, 1.1358

Details

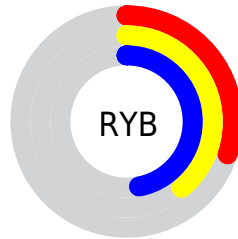
The XYZ color **12.5580, 15.9224, 18.0342** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7158, 9.7006, 9.2383**, and the grayscale version is **13.5471, 14.2526, 15.5211**.

A 20% lighter version of the original color is **30.1068, 36.3545, 41.0276**, and **3.5963, 4.9950, 5.7756** is the 20% darker color. If you saturate the color by 10%, you get **11.6061, 15.4428, 17.5063**, and if you desaturate by 10%, it is **13.6875, 16.4942, 18.5801**.

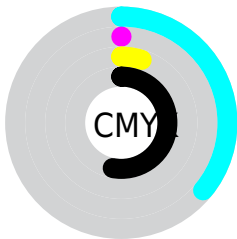
Distribution



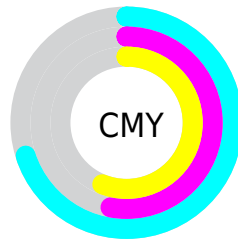
- Red (30%)
- Green (47%)
- Blue (44%)



- Red (30%)
- Yellow (39%)
- Blue (47%)



- Cyan (36%)
- Magenta (0%)
- Yellow (5%)
- Black (53%)



- Cyan (70%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5580, 15.9224, 18.0342 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 12.5580, 15.9224, 18.0342 by changing the saturation by 10% instead.

■ 12.5580, 15.9224,
18.0342

■ 12.5580, 15.9224,
18.0342

201.7606,
228.8834, 253.3063

■ 7.1998, 9.4693,
10.8048

■ 30.1155, 36.4634,
40.9103

■ 3.6348, 5.0485,
5.8232

■ 43.0455, 51.3201,
57.3942

■ 1.4977, 2.2758,
2.6709

■ 59.2302, 69.7468,
77.7999

■ 0.3243, 0.7608,
0.9287

■ 79.0348, 92.1278,
102.5461

■ 0.0000, 0.0000,
0.0000

■ 102.8248,
118.8476, 132.0513

130.9656,

150.2905, 166.7341

163.8224,
186.8410, 207.0129

■ 12.5580, 15.9224,
18.0342

■ 12.5580, 15.9224,
18.0342

■ 11.6061, 15.4428,
17.5063

■ 13.6875, 16.4942,
18.5801

■ 10.8207, 15.0484,
16.9947

■ 15.0020, 17.1607,
19.1432

■ 10.1917, 14.7344,
16.4993

■ 16.5105, 17.9271,
19.7245

■ 9.7072, 14.4948,
16.0194

■ 18.2207, 18.7972,
20.3242

■ 9.3536, 14.3225,
15.5544

■ 20.1399, 19.7749,
20.9429

■ 9.1046, 14.2038,
15.1030

■ 22.2753, 20.8638,
21.5809

■ 9.0149, 14.1613,
14.9311

■ 24.6334, 22.0674,
22.2384

■ 27.2207, 23.3889,
22.9160

■ 30.0433, 24.8314,
23.6139

Harmonies

Analogous

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



12.7770, 15.9224, 14.2207



12.5580, 15.9224, 18.0342



12.9929, 15.9224, 22.2563

Triad

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



12.5580, 15.9224, 18.0342



16.7660, 15.9224, 24.6141



16.3243, 15.9224, 11.1367

Complementary

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



12.5580, 15.9224, 18.0342



11.7158, 9.7006, 9.2383

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.



17.4978, 15.9224, 13.2015



12.5580, 15.9224, 18.0342



17.7638, 15.9224, 20.8777

Square

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



12.5580, 15.9224, 18.0342



15.3754, 15.9224, 26.4180



18.0396, 15.9224, 16.6576



14.8947, 15.9224, 10.6192

Rectangle

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



12.5580, 15.9224, 18.0342



13.6123, 15.9224, 24.6175



18.0396, 15.9224, 16.6576



16.7646, 15.9224, 11.6550

Sweetspot

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



12.5585, 15.9230, 18.0346



28.1303, 31.3723, 34.7800



11.4208, 15.5302, 9.2336



6.5992, 7.4007, 8.2164



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.5585, 15.9230, 18.0346



21.1057, 27.8154, 31.5383



11.2561, 12.7596, 19.3230



3.7624, 4.1469, 4.5827



9.5749, 15.0440, 15.8493



46.4231, 73.2165, 75.9902

Inverse Universe

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



11.7158, 9.7006, 9.2383



19.3724, 14.9938, 13.4280



12.6582, 11.9351, 8.4745



3.7029, 3.7084, 3.9620



8.1846, 4.2076, 0.9145



39.6901, 20.4262, 3.4314

Previews

White Background



This preview shows how the XYZ color 12.5580, 15.9224, 18.0342 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 12.5580, 15.9224, 18.0342 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

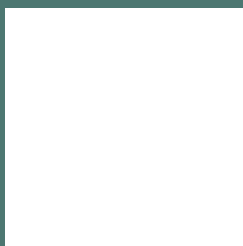
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5580, 15.9224, 18.0342

Background



This preview shows how black text looks on a background with the XYZ color 12.5580, 15.9224, 18.0342.



This preview shows how white text looks on a background with the XYZ color 12.5580, 15.9224,

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

12.5580, 15.9224, 18.0342

Protanopia

15.0928, 15.7453, 16.4310

Deuteranopia

15.9600, 15.6751, 18.4041



Tritanopia

13.3516, 15.8912, 22.1023

Trichromacy



Original Color

12.5580, 15.9224, 18.0342

Protanomaly

13.9751, 15.6454, 17.0351

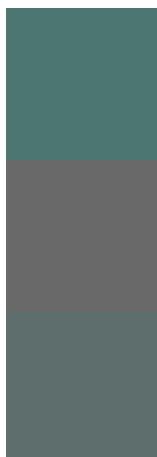
Deuteranomaly

14.3152, 15.4673, 18.1506

Tritanomaly

13.0715, 15.9570, 20.4802

Monochromacy



Original Color

12.5580, 15.9224, 18.0342

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8988, 14.6143, 16.3284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5580, 15.9224, 18.0342 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(76, 119, 113)` looks like.

```
.text, #text, p{  
    color:rgb(76, 119, 113)  
}
```

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(76, 119, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 119, 113) }
```

Border

The CSS property to change the border of an element to XYZ 12.5580, 15.9224, 18.0342 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(76, 119, 113) }
```


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

```
.border{ border-color:rgb(76, 119, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 119, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 119, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 119, 113);  
box-shadow:4px 4px 4px 4px rgb(76, 119,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5580, 15.9224, 18.0342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 119, 113) }
```

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

```
.background{ background-color: rgb(76, 119,  
113) }
```

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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