

Converting Colors

XYZ(12.4692, 12.4794, 17.2119)

Have a look what the booklet for
XYZ(12.4692, 12.4794, 17.2119)
contains.

XYZ(12.4549, 12.4286, 17.0717)	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(12.4549, 12.4286,
17.0717)**

Conversions

Conversions Part 1

Format	Color
Hex	646170
RGB	100, 97, 112
RGB Percent	39%, 38%, 44%
CMY	0.6078, 0.6196, 0.5608
CMYK	0.11, 0.13, 0.00, 0.56
HSL	252°, 7%, 41%
HSV	252°, 13%, 44%
XYZ	12.4549, 12.4286, 17.0717
YIQ	99.6070, -3.0270, 5.3010

Conversions

Conversions Part 2

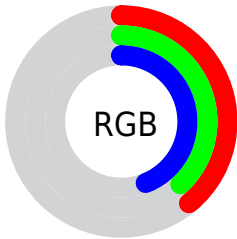
Format	Color
R_{YB}	100, 97, 112
Decimal	6578544
CIE Lab	41.89, 4.44, -8.04
CIE LCh	42, 9.181, 298.920
Yxy	12.4286, 0.2969, 0.2962
Android (android.graphics.Color)	4284768624 (0xFF646170)
YUV	99.6070, 6.1097, 0.3447
Hunter-Lab	35.2542, 1.3671, -4.0330

Details

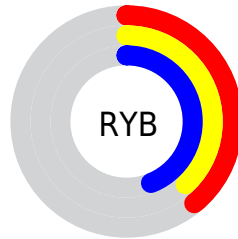
The XYZ color **12.4549, 12.4286, 17.0717** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.2589, 15.7029, 13.5893**, and the grayscale version is **11.9990, 12.6239, 13.7475**.

A 20% lighter version of the original color is **30.0532, 30.4395, 39.4134**, and **3.5774, 3.4947, 5.3365** is the 20% darker color. If you saturate the color by 10%, you get **10.5551, 10.0202, 16.7071**, and if you desaturate by 10%, it is **14.6106, 15.1866, 17.4906**.

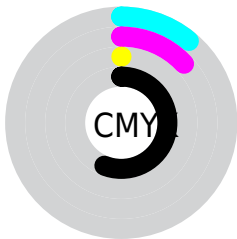
Distribution



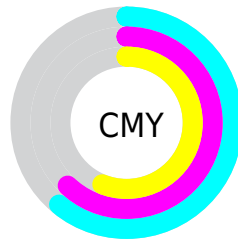
- Red (39%)
- Green (38%)
- Blue (44%)



- Red (39%)
- Yellow (38%)
- Blue (44%)



- Cyan (11%)
- Magenta (13%)
- Yellow (0%)
- Black (56%)



- Cyan (61%)
- Magenta (62%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4549, 12.4286, 17.0717 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 12.4549, 12.4286, 17.0717 by changing the saturation by 10% instead.

■ 12.4549, 12.4286,
17.0717

■ 12.4549, 12.4286,
17.0717

201.1030,
207.2224, 247.6432

■ 7.1287, 7.0363,
10.1231

■ 29.9307, 30.2733,
39.2414

■ 3.5897, 3.4848,
5.3740

■ 42.8109, 43.4946,
55.2995

■ 1.4728, 1.3898,
2.4058

■ 58.9399, 60.0942,
75.2313

■ 0.3072, 0.2092,
0.7896

■ 78.6829, 80.4566,
99.4552

■ 0.0000, 0.0000,
0.0000

102.4054,
104.9663, 128.3898

130.4727,

134.0075, 162.4536

163.2501,
167.9648, 202.0652

■ 12.4549, 12.4286,
17.0717

■ 12.4549, 12.4286,
17.0717

■ 10.5551, 10.0202,
16.7071

■ 14.6106, 15.1866,
17.4906

■ 8.9005, 7.9457,
16.3939

■ 17.0302, 18.3057,
17.9651

■ 7.4813, 6.1908,
16.1300

■ 19.7227, 21.7990,
18.4975

■ 6.2864, 4.7393,
15.9128

■ 22.6963, 25.6784,
19.0896

■ 5.3041, 3.5737,
15.7396

■ 25.9589, 29.9552,
19.7431

■ 4.5214, 2.6748,
15.6074

■ 29.5181, 34.6404,
20.4599

■ 3.9238, 2.0207,
15.5126

■ 33.3812, 39.7444,
21.2414

■ 3.4926, 1.5819,
15.4506

■ 37.5552, 45.2774,
22.0894

■ 3.2643, 1.3450,
15.4169

■ 42.0469, 51.2490,
23.0053

Harmonies

Analogous

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



11.7885, 12.4286, 17.6204



12.4549, 12.4286, 17.0717



12.9654, 12.4286, 15.5535

Triad

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



12.4549, 12.4286, 17.0717



12.4990, 12.4286, 10.5796



10.5566, 12.4286, 13.4624

Complementary

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



12.4549, 12.4286, 17.0717



14.2589, 15.7029, 13.5893

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.



10.7310, 12.4286, 11.6949



12.4549, 12.4286, 17.0717



11.8376, 12.4286, 10.1316

Square

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



12.4549, 12.4286, 17.0717



12.9915, 12.4286, 11.8058



11.1936, 12.4286, 10.5200



10.7080, 12.4286, 15.4202

Rectangle

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



12.4549, 12.4286, 17.0717



13.1395, 12.4286, 14.2631



11.1936, 12.4286, 10.5200



10.5790, 12.4286, 12.8276

Sweetspot

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



12.4553, 12.4291, 17.0720



25.3816, 26.3123, 30.6708



13.3501, 14.7023, 17.4636



6.0383, 6.2450, 7.3569



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.4553, 12.4291, 17.0720



20.8233, 20.4897, 29.7872



13.2932, 12.8611, 17.1112



3.2742, 3.3296, 4.2243



3.7569, 1.5462, 17.8220



18.1315, 7.4015, 88.7521

Inverse Universe

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



13.7175, 13.0988, 16.2738



23.4953, 21.9079, 28.0727



13.4034, 15.2619, 13.5493



3.4872, 3.4426, 4.0924



9.8310, 4.8248, 11.4518



48.6618, 23.9100, 55.4105

Previews

White Background



This preview shows how the XYZ color 12.4549, 12.4286, 17.0717 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 12.4549, 12.4286, 17.0717 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 12.4549, 12.4286, 17.0717

Background



This preview shows how black text looks on a background with the XYZ color 12.4549, 12.4286, 17.0717.

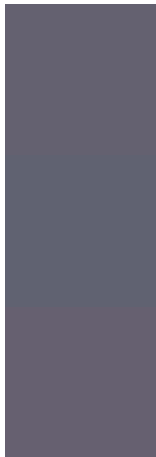


This preview shows how white text looks on a background with the XYZ color 12.4549, 12.4286,

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

12.4549, 12.4286, 17.0717

Protanopia

12.1722, 12.4144, 17.3775

Deuteranopia

12.5870, 12.3604, 17.0516



Tritanopia

12.1148, 12.4286, 15.3961

Trichromacy



Original Color

12.4549, 12.4286, 17.0717

Protanomaly

12.2781, 12.4690, 17.3824

Deuteranomaly

12.4743, 12.3023, 17.0463

Tritanomaly

12.2200, 12.4707, 15.9504

Monochromacy



Original Color

12.4549, 12.4286, 17.0717

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2161, 12.6325, 14.8912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4549, 12.4286, 17.0717 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(100, 97, 112)` looks like.

```
.text, #text, p{  
    color:rgb(100, 97, 112)  
}
```

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(100, 97, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 97, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.4549, 12.4286, 17.0717 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(100, 97, 112) }
```


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

```
.border{ border-color:rgb(100, 97, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 97, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 97, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 97, 112);  
box-shadow:4px 4px 4px 4px rgb(100, 97,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4549, 12.4286, 17.0717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 97, 112) }
```

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

```
.background{ background-color: rgb(100, 97,  
112) }
```

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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