

Converting Colors

XYZ(12.4512, 17.3328, 15.0218)

Have a look what the booklet for
XYZ(12.4512, 17.3328, 15.0218)
contains.

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Color

**XYZ(12.5369, 17.4579,
15.0209)**

Conversions

Conversions Part 1

Format	Color
Hex	477F65
RGB	71, 127, 101
RGB Percent	28%, 50%, 40%
CMY	0.7216, 0.5020, 0.6039
CMYK	0.44, 0.00, 0.20, 0.50
HSL	152°, 28%, 39%
HSV	152°, 44%, 50%
XYZ	12.5369, 17.4579, 15.0209
YIQ	107.2920, -25.0300, -19.9580

Conversions

Conversions Part 2

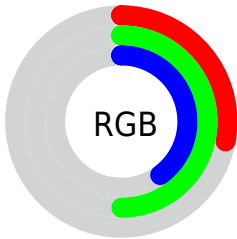
Format	Color
RYB	71, 107, 127
Decimal	4685669
CIELab	48.83, -24.93, 8.44
CIElCh	49, 26.318, 161.301
Yxy	17.4579, 0.2785, 0.3878
Android (android.graphics.Color)	4282875749 (0xFF477F65)
YUV	107.2920, -3.1020, -31.8281
Hunter-Lab	41.7827, -19.5607, 7.9330

Details

The XYZ color **12.5369, 17.4579, 15.0209** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.1639, 9.8821, 12.5236**, and the grayscale version is **14.0699, 14.8027, 16.1201**.

A 20% lighter version of the original color is **30.0148, 39.0471, 35.6607**, and **3.5883, 5.7125, 4.4035** is the 20% darker color. If you saturate the color by 10%, you get **11.4225, 16.9161, 13.5145**, and if you desaturate by 10%, it is **13.8677, 18.1098, 16.6464**.

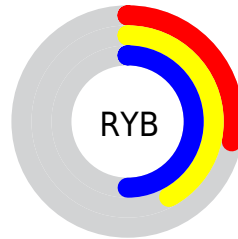
Distribution



Red (28%)

Green (50%)

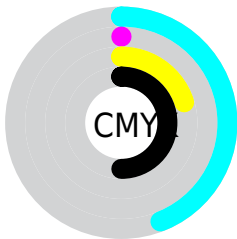
Blue (40%)



Red (28%)

Yellow (42%)

Blue (50%)

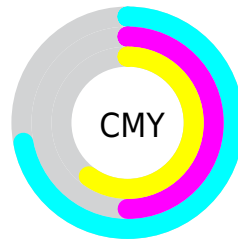


Cyan (44%)

Magenta (0%)

Yellow (20%)

Black (50%)



Cyan (72%)

Magenta (50%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5369, 17.4579, 15.0209 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 12.5369, 17.4579, 15.0209 by changing the saturation by 10% instead.

■ 12.5369, 17.4579,
15.0209

■ 12.5369, 17.4579,
15.0209

201.6262,
237.7975, 235.1378

■ 7.1852, 10.5615,
8.6873

■ 30.0777, 39.1114,
35.6327

■ 3.6256, 5.7728,
4.4438

■ 42.9975, 54.6373,
50.7479

■ 1.4926, 2.7074,
1.8718

■ 59.1708, 73.8085,
69.6274

■ 0.3208, 0.9810,
0.4747

■ 78.9629, 97.0093,
92.6897

■ 0.0000, 0.0000,
0.0000

■ 102.7391,
124.6243, 120.3533

130.8648,

157.0377, 153.0369

163.7054,
194.6339, 191.1589

■ 12.5369, 17.4579,
15.0209

■ 12.5369, 17.4579,
15.0209

■ 11.4225, 16.9161,
13.5145

■ 13.8677, 18.1098,
16.6464

■ 10.5104, 16.4757,
12.1232

■ 15.4251, 18.8757,
18.3926

■ 9.7871, 16.1304,
10.8444

■ 17.2203, 19.7616,
20.2625

■ 9.2365, 15.8719,
9.6749

■ 19.2632, 20.7727,
22.2587

■ 8.8376, 15.6893,
8.6112

■ 21.5635, 21.9139,
24.3835

■ 8.6341, 15.5971,
8.0299

■ 24.1299, 23.1896,
26.6393

■ 26.9710, 24.6044,
29.0285

■ 30.0950, 26.1621,
31.5534

■ 33.5094, 27.8670,
34.2160

Harmonies

Analogous

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



13.6873, 17.4579, 10.6009



12.5369, 17.4579, 15.0209



12.4075, 17.4579, 21.7630

Triad

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



12.5369, 17.4579, 15.0209



17.5290, 17.4579, 35.4486



20.3703, 17.4579, 11.4528

Complementary

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



12.5369, 17.4579, 15.0209



13.1639, 9.8821, 12.5236

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.



21.6281, 17.4579, 16.4972



12.5369, 17.4579, 15.0209



19.8837, 17.4579, 30.9847

Square

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



12.5369, 17.4579, 15.0209



15.1351, 17.4579, 34.7735



21.4418, 17.4579, 23.6463



18.1421, 17.4579, 8.9164

Rectangle

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



12.5369, 17.4579, 15.0209



12.9011, 17.4579, 26.8722



21.4418, 17.4579, 23.6463



20.9300, 17.4579, 12.8517

Sweetspot

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



12.5374, 17.4586, 15.0213



31.1070, 35.5209, 36.5563



13.6713, 18.1831, 8.7507



7.1291, 8.2403, 8.4035



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.



12.5374, 17.4586, 15.0213



20.4240, 30.2769, 24.1569



13.7804, 17.5736, 22.7452



4.3648, 4.8542, 5.0922



8.7067, 15.7293, 8.0944



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.1639, 9.8821, 12.5236



21.7022, 14.8394, 19.0759



12.2641, 9.7150, 7.1904



4.4044, 4.3749, 4.9338



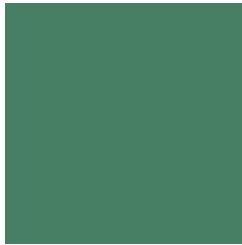
9.6216, 4.8683, 4.5973



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.5369, 17.4579, 15.0209 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 12.5369, 17.4579, 15.0209 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 12.5369, 17.4579, 15.0209

Background



This preview shows how black text looks on a background with the XYZ color 12.5369, 17.4579, 15.0209.



This preview shows how white text looks on a background with the XYZ color 12.5369, 17.4579,

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

12.5369, 17.4579, 15.0209

Protanopia

16.2223, 17.2253, 13.2963

Deuteranopia

17.5432, 17.1936, 15.4908



Tritanopia

14.5410, 17.5216, 24.8059

Trichromacy



Original Color

12.5369, 17.4579, 15.0209

Protanomaly

14.3480, 16.9403, 13.8228

Deuteranomaly

15.1161, 16.9531, 15.3075

Tritanomaly

13.6393, 17.3323, 20.7158

Monochromacy



Original Color

12.5369, 17.4579, 15.0209

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.1832, 15.4342, 15.6489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5369, 17.4579, 15.0209 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(71, 127, 101)` looks like.

```
.text, #text, p{  
    color:rgb(71, 127, 101)  
}
```

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(71, 127, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 127, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.5369, 17.4579, 15.0209 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(71, 127, 101) }
```


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

```
.border{ border-color:rgb(71, 127, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 127, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 127, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 127, 101);  
box-shadow:4px 4px 4px 4px rgb(71, 127,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5369, 17.4579, 15.0209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 127, 101) }
```

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

```
.background{ background-color: rgb(71, 127,  
101) }
```

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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