

Converting Colors

XYZ(12.1890, 15.7470, 10.3264)

Have a look what the booklet for
XYZ(12.1890, 15.7470, 10.3264)
contains.

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Color

**XYZ(12.2179, 15.7397,
10.3768)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7652
RGB	90, 118, 82
RGB Percent	35%, 46%, 32%
CMY	0.6471, 0.5372, 0.6784
CMYK	0.24, 0.00, 0.31, 0.54
HSL	107°, 18%, 39%
HSV	107°, 31%, 46%
XYZ	12.2179, 15.7397, 10.3768
YIQ	105.5240, -5.1320, -17.1320

Conversions

Conversions Part 2

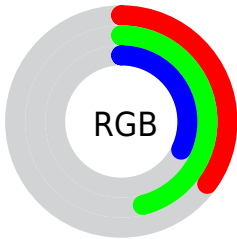
Format	Color
R_{YB}	82, 118, 110
Decimal	5928530
CIE _{Lab}	46.63, -17.62, 16.63
CIE _{LCh}	47, 24.228, 136.655
Yxy	15.7397, 0.3187, 0.4106
Android (android.graphics.Color)	4284118610 (0xFF5A7652)
YUV	105.5240, -11.5973, -13.6145
Hunter-Lab	39.6733, -14.4569, 12.2636

Details

The XYZ color **12.2179, 15.7397, 10.3768** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.7183, 10.6580, 18.5272**, and the grayscale version is **13.6015, 14.3099, 15.5834**.

A 20% lighter version of the original color is **29.5241, 36.0781, 27.2375**, and **3.4583, 4.9034, 2.5144** is the 20% darker color. If you saturate the color by 10%, you get **10.9687, 15.1437, 8.1726**, and if you desaturate by 10%, it is **13.6554, 16.4248, 12.9937**.

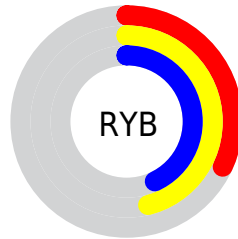
Distribution



Red (35%)

Green (46%)

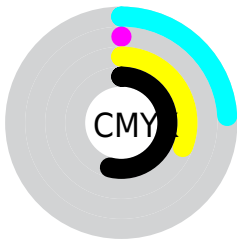
Blue (32%)



Red (32%)

Yellow (46%)

Blue (43%)

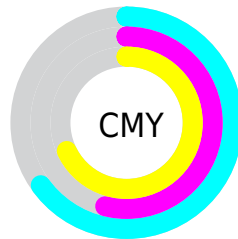


Cyan (24%)

Magenta (0%)

Yellow (31%)

Black (54%)



Cyan (65%)

Magenta (54%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2179, 15.7397, 10.3768 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 12.2179, 15.7397, 10.3768 by changing the saturation by 10% instead.

■ 12.2179, 15.7397,
10.3768

■ 12.2179, 15.7397,
10.3768

199.5831,
227.8008, 203.9222

■ 6.9655, 9.3401,
5.5406

■ 29.5048, 36.1457,
27.1207

■ 3.4867, 4.9637,
2.5036

■ 42.2700, 50.9210,
39.8655

■ 1.4160, 2.2260,
0.8421

■ 58.2701, 69.2569,
56.0835

■ 0.2676, 0.7341,
0.0000

■ 77.8706, 91.5379,
76.1934

■ 0.0000, 0.0000,
0.0000

■ 101.4368,
118.1485, 100.6137

129.3341,

149.4728, 129.7629

161.9277,
185.8955, 164.0595

■ 12.2179, 15.7397,
10.3768

■ 12.2179, 15.7397,
10.3768

■ 10.9687, 15.1437,
8.1726

■ 13.6554, 16.4248,
12.9937

■ 9.8987, 14.6311,
6.3590

■ 15.2875, 17.2004,
16.0416

■ 8.9998, 14.1988,
4.9136

■ 17.1216, 18.0704,
19.5394

■ 8.2625, 13.8423,
3.8110

■ 19.1645, 19.0379,
23.5041

■ 7.6768, 13.5572,
3.0228

■ 21.4224, 20.1058,
27.9521

■ 7.2311, 13.3382,
2.5161

■ 23.9016, 21.2770,
32.8988

■ 6.9104, 13.1800,
2.1798

■ 26.6079, 22.5541,
38.3592

■ 29.5469, 23.9397,
44.3474

■ 32.7241, 25.4363,
50.8771

Harmonies

Analogous

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



13.8351, 15.7397, 8.2916



12.2179, 15.7397, 10.3768



11.3733, 15.7397, 14.6109

Triad

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



12.2179, 15.7397, 10.3768



14.0496, 15.7397, 30.9906



19.1603, 15.7397, 14.0396

Complementary

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



12.2179, 15.7397, 10.3768



12.7183, 10.6580, 18.5272

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.



19.2314, 15.7397, 19.9406



12.2179, 15.7397, 10.3768



16.1445, 15.7397, 30.7353

Square

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



12.2179, 15.7397, 10.3768



12.3622, 15.7397, 26.9703



18.0847, 15.7397, 26.3376



17.8986, 15.7397, 10.0431

Rectangle

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



12.2179, 15.7397, 10.3768



11.3054, 15.7397, 18.5099



18.0847, 15.7397, 26.3376



19.3281, 15.7397, 15.8354

Sweetspot

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



12.2183, 15.7404, 10.3771



27.2734, 30.4297, 28.9504



14.5277, 15.5272, 10.2143



6.1875, 6.9569, 6.4991



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.



12.2183, 15.7404, 10.3771



19.8234, 26.8834, 15.3049



11.8729, 15.5171, 12.4035



3.7098, 4.1338, 3.9447



7.4660, 14.2532, 2.3576



35.7592, 69.1363, 11.4599

Inverse Universe

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



12.7183, 10.6580, 18.5272



20.8546, 16.3491, 32.1935



13.2172, 10.9778, 15.7222



3.7509, 3.7189, 4.6104



8.2781, 3.8588, 18.8511



39.5833, 18.4144, 91.8284

Previews

White Background



This preview shows how the XYZ color 12.2179, 15.7397, 10.3768 looks on a white background.

Color Contrast Check

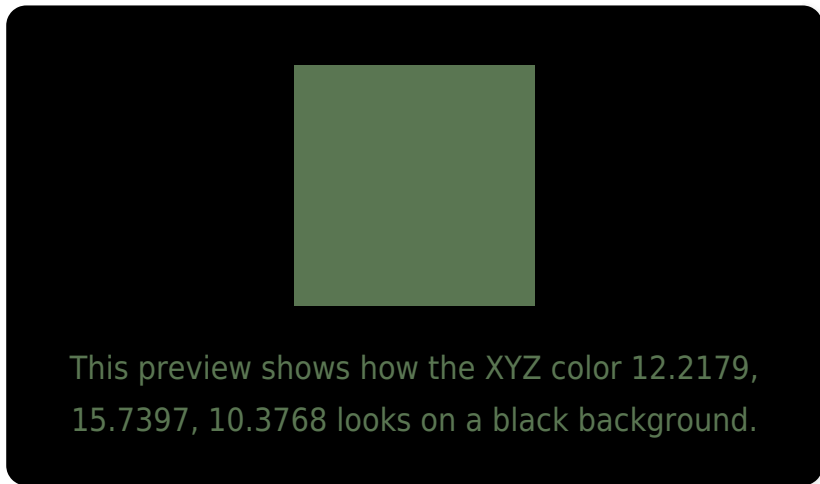
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

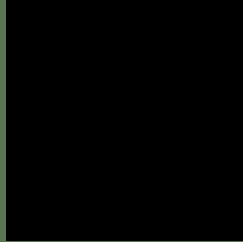
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2179, 15.7397, 10.3768

Background



This preview shows how black text looks on a background with the XYZ color 12.2179, 15.7397, 10.3768.



This preview shows how white text looks on a background with the XYZ color 12.2179, 15.7397,

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

12.2179, 15.7397, 10.3768

Protanopia

14.5950, 15.6383, 9.6464

Deuteranopia

15.8470, 15.6311, 10.7762



Tritanopia

14.3477, 15.7568, 20.6975

Trichromacy



Original Color

12.2179, 15.7397, 10.3768

Protanomaly

13.5374, 15.5776, 9.8827

Deuteranomaly

14.2464, 15.4368, 10.6162

Tritanomaly

13.4007, 15.7027, 16.2345

Monochromacy



Original Color

12.2179, 15.7397, 10.3768

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.9891, 14.7243, 13.4667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2179, 15.7397, 10.3768 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(90, 118, 82)` looks like.

```
.text, #text, p{  
    color:rgb(90, 118, 82)  
}
```

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(90, 118, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 118, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.2179, 15.7397, 10.3768 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(90, 118, 82) }
```


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

```
.border{ border-color:rgb(90, 118, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 118, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 118, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 118, 82);  
box-shadow:4px 4px 4px 4px rgb(90, 118,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2179, 15.7397, 10.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 118, 82) }
```

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

```
.background{ background-color: rgb(90, 118,  
82) }
```

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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