

Converting Colors

XYZ(12.6713, 18.5364, 10.7404)

Have a look what the booklet for
XYZ(12.6713, 18.5364, 10.7404)
contains.

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Color

**XYZ(12.7170, 18.6331,
10.7109)**

Conversions

Conversions Part 1

Format	Color
Hex	4C8451
RGB	76, 132, 81
RGB Percent	30%, 52%, 32%
CMY	0.7020, 0.4823, 0.6823
CMYK	0.42, 0.00, 0.39, 0.48
HSL	125°, 27%, 41%
HSV	125°, 42%, 52%
XYZ	12.7170, 18.6331, 10.7109
YIQ	109.4420, -17.0050, -27.7330

Conversions

Conversions Part 2

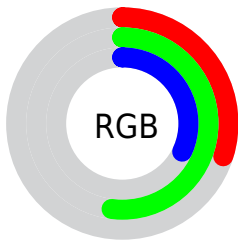
Format	Color
R_{YB}	76, 127, 132
Decimal	5014609
CIE _{Lab}	50.26, -29.85, 21.91
CIE _{LCh}	50, 37.027, 143.724
Yxy	18.6331, 0.3023, 0.4430
Android (android.graphics.Color)	4283204689 (0xFF4C8451)
YUV	109.4420, -14.0219, -29.3286
Hunter-Lab	43.1661, -22.9534, 15.5045

Details

The XYZ color **12.7170, 18.6331, 10.7109** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.9316, 11.6072, 21.4802**, and the grayscale version is **14.7041, 15.4699, 16.8467**.

A 20% lighter version of the original color is **30.5577, 41.3457, 27.8427**, and **3.7216, 6.3626, 2.6221** is the 20% darker color. If you saturate the color by 10%, you get **11.3624, 17.9829, 8.4991**, and if you desaturate by 10%, it is **14.3676, 19.4278, 13.3540**.

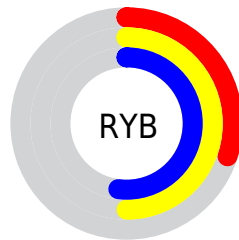
Distribution



Red (30%)

Green (52%)

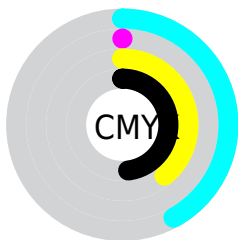
Blue (32%)



Red (30%)

Yellow (50%)

Blue (52%)

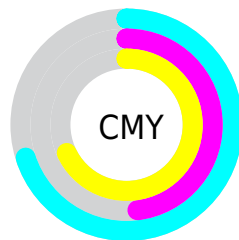


Cyan (42%)

Magenta (0%)

Yellow (39%)

Black (48%)



Cyan (70%)

Magenta (48%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7170, 18.6331, 10.7109 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 12.7170, 18.6331, 10.7109 by changing the saturation by 10% instead.

■ 12.7170, 18.6331,
10.7109

■ 12.7170, 18.6331,
10.7109

202.7704,
244.4157, 206.3390

■ 7.3096, 11.4055,
5.7611

■ 30.4001, 41.1132,
27.7528

■ 3.7045, 6.3403,
2.6339

■ 43.4065, 57.1345,
40.6819

■ 1.5364, 3.0531,
0.9099

■ 59.6766, 76.8557,
57.1078

■ 0.3504, 1.1595,
0.0000

■ 79.5758, 100.6613,
77.4491

■ 0.0000, 0.0282,
0.0000

■ 103.4694,
128.9358, 102.1244

■ 0.0000, 0.0000,
0.0000

131.7228,

162.0634, 131.5521

164.7013,
200.4286, 166.1508

■ 12.7170, 18.6331,
10.7109

■ 12.7170, 18.6331,
10.7109

■ 11.3624, 17.9829,
8.4991

■ 14.3676, 19.4278,
13.3540

■ 10.2849, 17.4662,
6.6947

■ 16.3289, 20.3724,
16.4483

■ 9.4657, 17.0745,
5.2731


■ 18.6161, 21.4749,
20.0140


■ 8.8829, 16.7971,
4.2066


■ 21.2432, 22.7422,
24.0697


■ 8.5112, 16.6215,
3.4640


■ 24.2233, 24.1806,
28.6328

 8.3167, 16.5292,
3.0931

 27.5688, 25.7961,
33.7200

 31.2915, 27.5946,
39.3474

 35.4027, 29.5814,
45.5302

 39.9132, 31.7618,
52.2829

Harmonies

Analogous

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



15.0808, 18.6331, 7.0564



12.7170, 18.6331, 10.7109



11.7074, 18.6331, 18.2071

Triad

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



12.7170, 18.6331, 10.7109



16.9678, 18.6331, 46.8955



24.7949, 18.6331, 13.3410

Complementary

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



12.7170, 18.6331, 10.7109



15.9316, 11.6072, 21.4802

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.



25.4779, 18.6331, 22.5224



12.7170, 18.6331, 10.7109



20.6288, 18.6331, 44.2395

Square

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



12.7170, 18.6331, 10.7109



13.9390, 18.6331, 40.7110



23.8643, 18.6331, 34.3431



22.1067, 18.6331, 8.1777

Rectangle

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



12.7170, 18.6331, 10.7109



11.8257, 18.6331, 25.3379



23.8643, 18.6331, 34.3431



25.2804, 18.6331, 15.9585

Sweetspot

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



12.7175, 18.6339, 10.7113



32.4186, 37.6470, 34.6757



18.3587, 21.5629, 10.0322



7.3569, 8.6730, 7.7766



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.7175, 18.6339, 10.7113



20.0752, 31.7049, 15.0718



13.9747, 19.1368, 17.3319



4.6319, 5.2110, 5.0731



8.0533, 16.0042, 3.0002



0.0289, 0.0559, 0.0158

Inverse Universe

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



15.9316, 11.6072, 21.4802



26.5274, 17.5847, 36.6793



14.3689, 10.9821, 13.2510



4.8404, 4.7559, 5.7721



12.5097, 6.0682, 17.7883



0.0446, 0.0215, 0.0685

Previews

White Background



This preview shows how the XYZ color 12.7170, 18.6331, 10.7109 looks on a white background.

Color Contrast Check

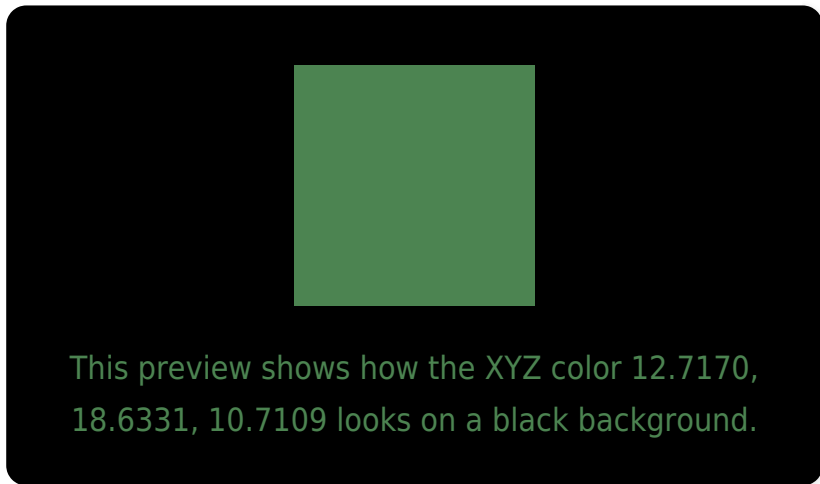
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black 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

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

XYZ 12.7170, 18.6331, 10.7109

Background



This preview shows how black text looks on a background with the XYZ color 12.7170, 18.6331, 10.7109.



This preview shows how white text looks on a background with the XYZ color 12.7170, 18.6331,

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

12.7170, 18.6331, 10.7109

Protanopia

17.1073, 18.4613, 9.4992

Deuteranopia

18.6415, 18.3532, 11.1543



Tritanopia

15.7080, 18.4710, 26.0299

Trichromacy



Original Color

12.7170, 18.6331, 10.7109

Protanomaly

15.0132, 18.2804, 9.9449

Deuteranomaly

15.7737, 18.0967, 11.0492

Tritanomaly

14.4388, 18.5383, 19.3402

Monochromacy



Original Color

12.7170, 18.6331, 10.7109

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.5432, 16.1648, 14.2107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7170, 18.6331, 10.7109 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, 132, 81)` looks like.

```
.text, #text, p{  
    color:rgb(76, 132, 81)  
}
```

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, 132, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 132, 81) }
```

Border

The CSS property to change the border of an element to XYZ 12.7170, 18.6331, 10.7109 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, 132, 81) }
```


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

```
.border{ border-color:rgb(76, 132, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 132, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 132, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 132, 81);  
box-shadow:4px 4px 4px 4px rgb(76, 132,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7170, 18.6331, 10.7109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 132, 81) }
```

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

```
.background{ background-color: rgb(76, 132,  
81) }
```

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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