

Converting Colors

XYZ(12.6364, 17.6993, 10.8063)

Have a look what the booklet for
XYZ(12.6364, 17.6993, 10.8063)
contains.

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Color

**XYZ(12.7218, 17.8414,
10.7559)**

Conversions

Conversions Part 1

Format	Color
Hex	528052
RGB	82, 128, 82
RGB Percent	32%, 50%, 32%
CMY	0.6784, 0.4980, 0.6784
CMYK	0.36, 0.00, 0.36, 0.50
HSL	120°, 22%, 41%
HSV	120°, 36%, 50%
XYZ	12.7218, 17.8414, 10.7559
YIQ	109.0020, -12.6500, -24.0580

Conversions

Conversions Part 2

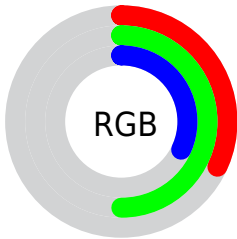
Format	Color
R_{YB}	82, 128, 128
Decimal	5406802
CIE _{Lab}	49.30, -25.71, 20.14
CIE _{LCh}	49, 32.662, 141.935
Yxy	17.8414, 0.3079, 0.4318
Android (android.graphics.Color)	4283596882 (0xFF528052)
YUV	109.0020, -13.3120, -23.6808
Hunter-Lab	42.2391, -20.1568, 14.4696

Details

The XYZ color **12.7218, 17.8414, 10.7559** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.8162, 12.1825, 21.9403**, and the grayscale version is **14.5759, 15.3350, 16.6998**.

A 20% lighter version of the original color is **30.3616, 39.7002, 27.8925**, and **3.6700, 5.8995, 2.6143** is the 20% darker color. If you saturate the color by 10%, you get **11.2684, 17.1438, 8.3783**, and if you desaturate by 10%, it is **14.4747, 18.6839, 13.6226**.

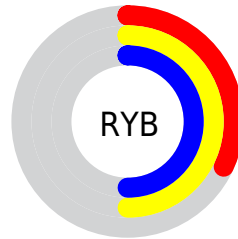
Distribution



Red (32%)

Green (50%)

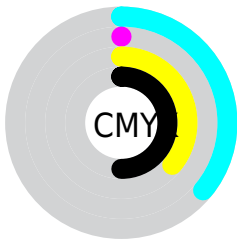
Blue (32%)



Red (32%)

Yellow (50%)

Blue (50%)

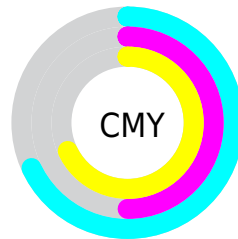


Cyan (36%)

Magenta (0%)

Yellow (36%)

Black (50%)



Cyan (68%)

Magenta (50%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7218, 17.8414, 10.7559 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 12.7218, 17.8414, 10.7559 by changing the saturation by 10% instead.

■ 12.7218, 17.8414,
10.7559

■ 12.7218, 17.8414,
10.7559

202.8008,
239.9756, 206.6621

■ 7.3129, 10.8362,
5.7908

■ 30.4087, 39.7669,
27.8376

■ 3.7066, 5.9568,
2.6516

■ 43.4174, 55.4559,
40.7913

■ 1.5375, 2.8188,
0.9189

■ 59.6901, 74.8084,
57.2451

■ 0.3512, 1.0379,
0.0000

■ 79.5921, 98.2087,
77.6173

■ 0.0000, 0.0000,
0.0000

■ 103.4888,
126.0411, 102.3265

131.7456,

158.6902, 131.7914

164.7278,
196.5402, 166.4304

■ 12.7218, 17.8414,
10.7559

■ 12.7218, 17.8414,
10.7559

■ 11.2684, 17.1438,
8.3783

■ 14.4747, 18.6839,
13.6226

■ 10.0965, 16.5809,
6.4614

■ 16.5410, 19.6765,
17.0025

■ 9.1883, 16.1446,
4.9758

■ 18.9355, 20.8267,
20.9191

■ 8.5233, 15.8252,
3.8880

■ 21.6717, 22.1410,
25.3945

■ 8.0782, 15.6114,
3.1599

■ 24.7622, 23.6256,
30.4494

■ 7.8131, 15.4840,
2.7263

■ 28.2190, 25.2860,
36.1035

■ 7.7196, 15.4391,
2.5733

■ 32.0536, 27.1280,
42.3755

■ 36.2769, 29.1567,
49.2833

■ 40.8995, 31.3771,
56.8442

Harmonies

Analogous

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



14.8468, 17.8414, 7.5855



12.7218, 17.8414, 10.7559



11.7588, 17.8414, 17.1496

Triad

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



12.7218, 17.8414, 10.7559



16.1429, 17.8414, 41.4331



23.0440, 17.8414, 13.7706

Complementary

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



12.7218, 17.8414, 10.7559



15.8162, 12.1825, 21.9403

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.



23.4996, 17.8414, 21.8960



12.7218, 17.8414, 10.7559



19.2598, 17.8414, 39.7068

Square

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



12.7218, 17.8414, 10.7559



13.5723, 17.8414, 36.0079



22.0428, 17.8414, 31.8252



20.8639, 17.8414, 8.9245

Rectangle

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



12.7218, 17.8414, 10.7559



11.8131, 17.8414, 23.1364



22.0428, 17.8414, 31.8252



23.4137, 17.8414, 16.1356

Sweetspot

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



12.7223, 17.8422, 10.7563



31.0237, 35.5555, 33.0452



18.1451, 20.6377, 11.0097



7.1552, 8.2725, 7.5597



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.



12.7223, 17.8422, 10.7563



20.2980, 30.4034, 15.5016



13.7491, 18.2529, 16.1635



4.2761, 4.8187, 4.6249



7.6541, 15.3082, 2.5515



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.8162, 12.1825, 21.9403



26.5786, 18.9145, 38.2050



14.4697, 11.6439, 14.8498



4.4982, 4.4124, 5.4278



12.6902, 6.0958, 20.7560



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7218, 17.8414, 10.7559 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 12.7218, 17.8414, 10.7559 looks on a 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 12.7218, 17.8414, 10.7559

Background



This preview shows how black text looks on a background with the XYZ color 12.7218, 17.8414, 10.7559.



This preview shows how white text looks on a background with the XYZ color 12.7218, 17.8414,

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

12.7218, 17.8414, 10.7559

Protanopia

16.4532, 17.7704, 9.5840

Deuteranopia

17.9551, 17.6635, 11.2672



Tritanopia

15.4388, 17.8092, 24.4536

Trichromacy



Original Color

12.7218, 17.8414, 10.7559

Protanomaly

14.8042, 17.6188, 10.0176

Deuteranomaly

15.5893, 17.4643, 11.1436

Tritanomaly

14.2694, 17.7049, 18.5849

Monochromacy



Original Color

12.7218, 17.8414, 10.7559

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.6431, 16.0443, 14.1822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7218, 17.8414, 10.7559 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(82, 128, 82)` looks like.

```
.text, #text, p{  
    color:rgb(82, 128, 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(82, 128, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 128, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.7218, 17.8414, 10.7559 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(82, 128, 82) }
```


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

```
.border{ border-color:rgb(82, 128, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 128, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 128, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 128, 82);  
box-shadow:4px 4px 4px 4px rgb(82, 128,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7218, 17.8414, 10.7559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 128, 82) }
```

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

```
.background{ background-color: rgb(82, 128,  
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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