

Converting Colors

XYZ(18.4187, 27.8272, 10.4569)

Have a look what the booklet for
XYZ(18.4187, 27.8272, 10.4569)
contains.

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Color

**XYZ(18.3917, 27.7510,
10.5180)**

Conversions

Conversions Part 1

Format	Color
Hex	609F48
RGB	96, 159, 72
RGB Percent	38%, 62%, 28%
CMY	0.6235, 0.3765, 0.7176
CMYK	0.40, 0.00, 0.55, 0.38
HSL	103°, 38%, 45%
HSV	103°, 55%, 62%
XYZ	18.3917, 27.7510, 10.5180
YIQ	130.2450, -9.6210, -40.4130

Conversions

Conversions Part 2

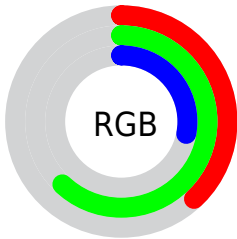
Format	Color
RYB	72, 159, 135
Decimal	6332232
CIELab	59.66, -36.93, 38.69
CIELCh	60, 53.486, 133.673
Yxy	27.7510, 0.3246, 0.4898
Android (android.graphics.Color)	4284522312 (0xFF609F48)
YUV	130.2450, -28.7148, -30.0329
Hunter-Lab	52.6792, -29.8696, 25.0375

Details

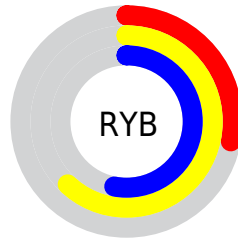
The XYZ color **18.3917, 27.7510, 10.5180** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **18.5685, 12.2897, 34.1960**, and the grayscale version is **21.4065, 22.5213, 24.5257**.

A 20% lighter version of the original color is **40.1994, 56.0072, 27.4306**, and **6.3574, 11.0656, 2.5599** is the 20% darker color. If you saturate the color by 10%, you get **16.8148, 26.9913, 8.0781**, and if you desaturate by 10%, it is **20.2816, 28.6582, 13.6740**.

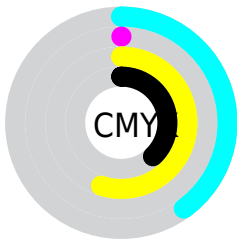
Distribution



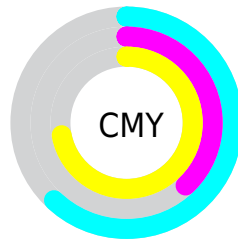
- Red (38%)
- Green (62%)
- Blue (28%)



- Red (28%)
- Yellow (62%)
- Blue (53%)



- Cyan (40%)
- Magenta (0%)
- Yellow (55%)
- Black (38%)



- Cyan (62%)
- Magenta (38%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3917, 27.7510, 10.5180 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 18.3917, 27.7510, 10.5180 by changing the saturation by 10% instead.

■ 18.3917, 27.7510,
10.5180

■ 18.3917, 27.7510,
10.5180

236.0728,
291.2752, 204.9475

■ 11.3330, 18.1380,
5.6337

■ 40.2285, 56.0867,
27.3883

■ 6.3602, 11.0491,
2.5585

■ 55.7373, 75.5781,
40.2112

■ 3.1080, 6.0999,
0.8709

■ 74.7935, 99.1313,
56.5175

■ 1.2112, 2.9059,
0.0000

■ 97.7624, 127.1304,
76.7257

■ 0.1151, 1.0828,
0.0000

■ 125.0095,
159.9600, 101.2542

■ 0.0000, 0.0000,
0.0000

156.9000,

198.0044, 130.5217

193.7993,
241.6480, 164.9466

■ 18.3917, 27.7510,
10.5180

■ 18.3917, 27.7510,
10.5180

■ 16.8148, 26.9913,
8.0781

■ 20.2816, 28.6582,
13.6740

■ 15.5306, 26.3674,
6.2964

■ 22.4992, 29.7170,
17.5944

■ 14.5194, 25.8713,
5.1091

■ 25.0604, 30.9353,
22.3253

■ 13.7573, 25.4925,
4.4367

■ 27.9799, 32.3197,
27.9088

■ 13.4314, 25.3298,
4.1812

■ 31.2709, 33.8764,
34.3839

■ 34.9464, 35.6112,
41.7873

■ 39.0186, 37.5295,
50.1537

■ 43.4991, 39.6367,
59.5158

■ 48.3990, 41.9378,
69.9050

Harmonies

Analogous

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



23.4263, 27.7510, 6.5796



18.3917, 27.7510, 10.5180



15.7798, 27.7510, 20.9259

Triad

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



18.3917, 27.7510, 10.5180



22.8939, 27.7510, 81.7579



41.1022, 27.7510, 22.2548

Complementary

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



18.3917, 27.7510, 10.5180



18.5685, 12.2897, 34.1960

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.



40.8934, 27.7510, 41.9149



18.3917, 27.7510, 10.5180



29.5645, 27.7510, 82.6262

Square

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



18.3917, 27.7510, 10.5180



18.0595, 27.7510, 63.8327



36.3910, 27.7510, 65.8581



36.9204, 27.7510, 11.1320

Rectangle

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



18.3917, 27.7510, 10.5180



15.4298, 27.7510, 32.6600



36.3910, 27.7510, 65.8581



41.5623, 27.7510, 27.8973

Sweetspot

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



18.3924, 27.7522, 10.5186



49.2331, 57.4650, 48.2873



24.0425, 24.9872, 9.6871



10.8656, 12.8445, 10.4355



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.3924, 27.7522, 10.5186



29.4802, 48.0304, 13.5490



16.9534, 26.9281, 14.1683



6.7140, 7.4852, 7.0766



10.6440, 20.0239, 3.3040



0.2279, 0.3774, 0.0608

Inverse Universe

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



18.5685, 12.2897, 34.1960



29.7629, 17.3211, 60.5181



21.3612, 13.9043, 26.4282



6.7256, 6.6625, 8.3382



10.5836, 4.8851, 26.2923



0.2274, 0.1070, 0.4719

Previews

White Background



This preview shows how the XYZ color 18.3917, 27.7510, 10.5180 looks on a white background.

Color Contrast Check

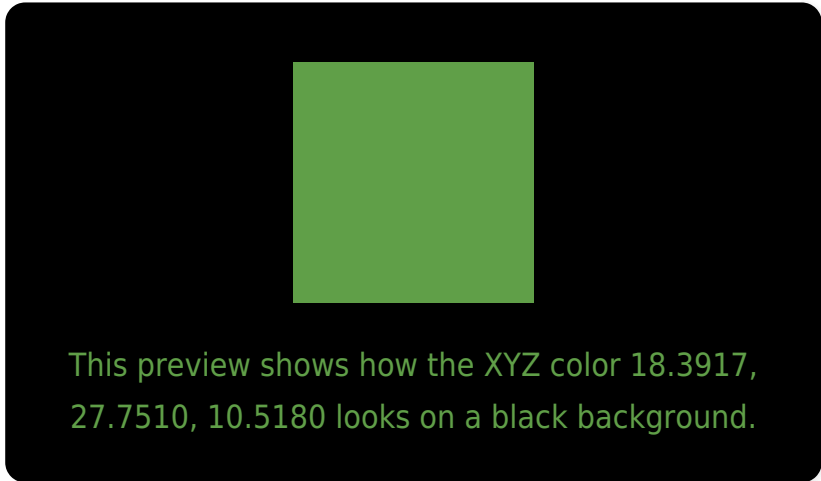
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3917, 27.7510, 10.5180

Background



This preview shows how black text looks on a background with the XYZ color 18.3917, 27.7510, 10.5180.



This preview shows how white text looks on a background with the XYZ color 18.3917, 27.7510,

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

18.3917, 27.7510, 10.5180

Protanopia

25.1337, 27.4211, 9.2783

Deuteranopia

27.8585, 27.2723, 11.0035



Tritanopia

23.8949, 27.7654, 37.8181

Trichromacy



Original Color

18.3917, 27.7510, 10.5180

Protanomaly

21.9750, 27.1588, 9.7142

Deuteranomaly

23.1318, 26.5793, 10.7486

Tritanomaly

21.2975, 27.4316, 24.9412

Monochromacy



Original Color

18.3917, 27.7510, 10.5180

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.7564, 24.0054, 18.0602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3917, 27.7510, 10.5180 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(96, 159, 72)` looks like.

```
.text, #text, p{  
    color:rgb(96, 159, 72)  
}
```

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(96, 159, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 159, 72) }
```

Border

The CSS property to change the border of an element to XYZ 18.3917, 27.7510, 10.5180 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(96, 159, 72) }
```


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

```
.border{ border-color:rgb(96, 159, 72) }
```

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

Here you see how a box with a 4 pixel rgb(96, 159, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 159, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 159, 72);  
box-shadow:4px 4px 4px 4px rgb(96, 159,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3917, 27.7510, 10.5180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 159, 72) }
```

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

```
.background{ background-color: rgb(96, 159,  
72) }
```

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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