

Converting Colors

XYZ(11.0171, 18.8550, 12.4744)

Have a look what the booklet for
XYZ(11.0171, 18.8550, 12.4744)
contains.

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Color

**XYZ(10.9625, 18.7227,
12.4873)**

Conversions

Conversions Part 1

Format	Color
Hex	108959
RGB	16, 137, 89
RGB Percent	6%, 54%, 35%
CMY	0.9372, 0.4627, 0.6510
CMYK	0.88, 0.00, 0.35, 0.46
HSL	156°, 79%, 30%
HSV	156°, 88%, 54%
XYZ	10.9625, 18.7227, 12.4873
YIQ	95.3490, -56.7080, -40.5800

Conversions

Conversions Part 2

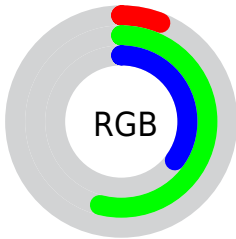
Format	Color
RYB	16, 91, 137
Decimal	1083737
CIELab	50.36, -42.65, 17.25
CIELCh	50, 46.009, 157.986
Yxy	18.7227, 0.2599, 0.4440
Android (android.graphics.Color)	4279273817 (0xFF108959)
YUV	95.3490, -3.1301, -69.5891
Hunter-Lab	43.2697, -30.4986, 13.1782

Details

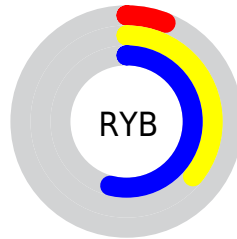
The XYZ color **10.9625, 18.7227, 12.4873** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.4278, 6.0595, 5.4187**, and the grayscale version is **10.9787, 11.5504, 12.5784**.

A 20% lighter version of the original color is **27.1288, 41.1041, 30.9302**, and **3.7638, 6.8300, 3.4054** is the 20% darker color. If you saturate the color by 10%, you get **10.5581, 18.5401, 11.3209**, and if you desaturate by 10%, it is **11.5129, 18.9796, 13.7493**.

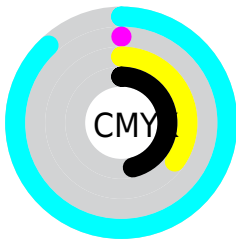
Distribution



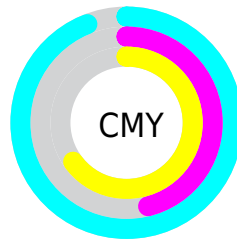
- Red (6%)
- Green (54%)
- Blue (35%)



- Red (6%)
- Yellow (36%)
- Blue (54%)



- Cyan (88%)
- Magenta (0%)
- Yellow (35%)
- Black (46%)





- Cyan (94%)
- Magenta (46%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.9625, 18.7227, 12.4873 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 10.9625, 18.7227, 12.4873 by changing the saturation by 10% instead.


 10.9625, 18.7227,
12.4873


 10.9625, 18.7227,
12.4873


191.3237,
244.9136, 218.6964


 6.1087, 11.4701,
6.9499


 27.2244, 41.2650,
31.0571


 2.9526, 6.3840,
3.3528


 39.3632, 57.3235,
44.9267


 1.1287, 3.0799,
1.2775

 54.6610, 77.0860,
62.4106

 0.0490, 1.1736,
0.0432

 73.4833, 100.9370,
83.9276

 0.0000, 0.0400,
0.0000

 96.1954, 129.2609,
109.8961

 0.0000, 0.0000,
0.0000

 123.1626,

162.4420, 140.7348

154.7502,
200.8648, 176.8620

■ 10.9625, 18.7227,
12.4873

■ 10.9625, 18.7227,
12.4873

■ 10.5581, 18.5401,
11.3209

■ 11.5129, 18.9796,
13.7493

■ 10.4939, 18.5111,
11.1333

■ 12.2534, 19.3320,
15.1097

■ 13.2050, 19.7912,
16.5715

■ 14.3854, 20.3662,
18.1373

■ 15.8103, 21.0653,
19.8096

■ 17.4941, 21.8957,
21.5907

■ 19.4500, 22.8641,
23.4827

■ 21.6902, 23.9769,
25.4878

■ 24.2262, 25.2400,
27.6081

Harmonies

Analogous

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



13.0162, 18.7227, 6.4970



10.9625, 18.7227, 12.4873



10.5742, 18.7227, 23.9970

Triad

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



10.9625, 18.7227, 12.4873



19.0152, 18.7227, 55.7258



25.4576, 18.7227, 8.6868

Complementary

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



10.9625, 18.7227, 12.4873



11.4278, 6.0595, 5.4187

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.



27.7256, 18.7227, 17.1565



10.9625, 18.7227, 12.4873



23.6209, 18.7227, 46.5611

Square

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



10.9625, 18.7227, 12.4873



14.7668, 18.7227, 52.7417



27.0025, 18.7227, 31.0633



21.2120, 18.7227, 5.0297

Rectangle

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



10.9625, 18.7227, 12.4873



11.2385, 18.7227, 34.2407



27.0025, 18.7227, 31.0633



26.5064, 18.7227, 10.8862

Sweetspot

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



10.9630, 18.7234, 12.4877



31.9028, 39.4941, 39.2401



11.1803, 19.0330, 3.5749



6.9387, 8.7511, 8.5828



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.9630, 18.7234, 12.4877



18.7102, 33.1162, 19.5062



12.0506, 16.5590, 26.2288



5.0902, 5.6556, 5.9960



9.7807, 17.2449, 10.4018



0.0722, 0.1175, 0.1072

Inverse Universe

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



11.4278, 6.0595, 5.4187



19.6064, 9.9768, 6.8221



10.8282, 6.1915, 1.1148



5.1097, 5.0793, 5.6661



10.2433, 5.2075, 3.7858



0.0749, 0.0373, 0.0614

Previews

White Background



This preview shows how the XYZ color 10.9625, 18.7227, 12.4873 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



This preview shows how the XYZ color 10.9625, 18.7227, 12.4873 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 10.9625, 18.7227, 12.4873

Background



This preview shows how black text looks on a background with the XYZ color 10.9625, 18.7227, 12.4873.



This preview shows how white text looks on a background with the XYZ color 10.9625, 18.7227,

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

10.9625, 18.7227, 12.4873

Protanopia

17.1353, 18.4549, 10.4436

Deuteranopia

18.6852, 18.3317, 13.1432



Tritanopia

14.2394, 18.8338, 28.0841

Trichromacy



Original Color

10.9625, 18.7227, 12.4873



Protanomaly

13.0856, 17.6365, 11.1020



Deuteranomaly

13.5074, 17.0715, 12.7084



Tritanomaly

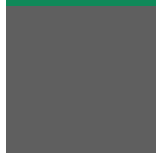
12.6997, 18.5923, 21.3317

Monochromacy



Original Color

10.9625, 18.7227, 12.4873



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.7985, 13.1004, 12.3681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9625, 18.7227, 12.4873 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(16, 137, 89)` looks like.

```
.text, #text, p{  
    color:rgb(16, 137, 89)  
}
```

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(16, 137, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 137, 89) }
```

Border

The CSS property to change the border of an element to XYZ 10.9625, 18.7227, 12.4873 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(16, 137, 89) }
```


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

```
.border{ border-color:rgb(16, 137, 89) }
```

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

Here you see how a box with a 4 pixel rgb(16, 137, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 137, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 137, 89);  
box-shadow:4px 4px 4px 4px rgb(16, 137,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9625, 18.7227, 12.4873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 137, 89) }
```

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

```
.background{ background-color: rgb(16, 137,  
89) }
```

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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