

Converting Colors

XYZ(11.8925, 21.9781, 9.2958)

Have a look what the booklet for
XYZ(11.8925, 21.9781, 9.2958)
contains.

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Color

**XYZ(11.8717, 21.9504,
9.2414)**

Conversions

Conversions Part 1

Format	Color
Hex	049545
RGB	4, 149, 69
RGB Percent	2%, 58%, 27%
CMY	0.9843, 0.4157, 0.7294
CMYK	0.97, 0.00, 0.54, 0.42
HSL	147°, 95%, 30%
HSV	147°, 97%, 58%
XYZ	11.8717, 21.9504, 9.2414
YIQ	96.5250, -60.7400, -55.6200

Conversions

Conversions Part 2

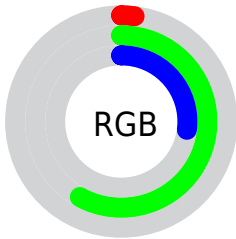
Format	Color
R_{YB}	4, 104, 149
Decimal	300357
CIE _{Lab}	53.97, -51.68, 32.75
CIE _{LCh}	54, 61.183, 147.635
Yxy	21.9504, 0.2757, 0.5097
Android (android.graphics.Color)	4278490437 (0xFF049545)
YUV	96.5250, -13.5698, -81.1444
Hunter-Lab	46.8513, -36.7593, 21.1009

Details

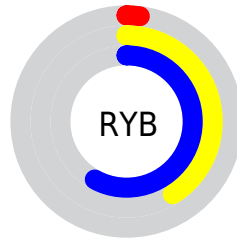
The XYZ color **11.8717, 21.9504, 9.2414** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.0388, 7.1169, 9.0220**, and the grayscale version is **11.2893, 11.8772, 12.9343**.

A 20% lighter version of the original color is **28.8531, 46.5439, 24.9159**, and **4.4101, 8.6035, 2.1377** is the 20% darker color. If you saturate the color by 10%, you get **11.7548, 21.8985, 8.8851**, and if you desaturate by 10%, it is **12.3620, 22.1722, 10.6907**.

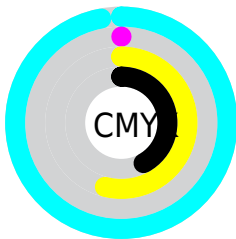
Distribution



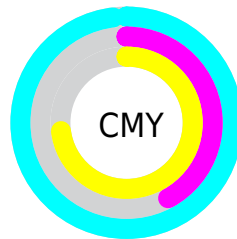
- Red (2%)
- Green (58%)
- Blue (27%)



- Red (2%)
- Yellow (41%)
- Blue (58%)



- Cyan (97%)
- Magenta (0%)
- Yellow (54%)
- Black (42%)



- Cyan (98%)
- Magenta (42%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8717, 21.9504, 9.2414 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 11.8717, 21.9504, 9.2414 by changing the saturation by 10% instead.

■ 11.8717, 21.9504,
9.2414

■ 11.8717, 21.9504,
9.2414

197.3414,
262.2871, 195.4525

■ 6.7279, 13.8205,
4.8000

■ 28.8801, 46.6640,
24.9436

■ 3.3374, 7.9959,
2.0737

■ 41.4755, 64.0165,
37.0416

■ 1.3346, 4.0923,
0.6001

■ 57.2854, 85.2119,
52.5288

■ 0.2089, 1.7253,
0.0000

■ 76.6753, 110.6346,
71.8237

■ 0.0000, 0.4400,
0.0000

■ 100.0105,
140.6692, 95.3451

■ 0.0000, 0.0000,
0.0000

■ 127.6563,

175.6998, 123.5113

159.9782,
216.1110, 156.7409

■ 11.8717, 21.9504,
9.2414

■ 11.8717, 21.9504,
9.2414

■ 11.7548, 21.8985,
8.8851

■ 12.3620, 22.1722,
10.6907

■ 13.0585, 22.4955,
12.3410

■ 14.0057, 22.9435,
14.2014

■ 15.2292, 23.5296,
16.2798

■ 16.7516, 24.2650,
18.5831

■ 18.5927, 25.1599,
21.1183

■ 20.7708, 26.2236,
23.8918

■ 23.3027, 27.4647,
26.9098

■ 26.2038, 28.8910,
30.1783

Harmonies

Analogous

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



15.5109, 21.9504, 3.9921



11.8717, 21.9504, 9.2414



10.5750, 21.9504, 22.4307

Triad

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



11.8717, 21.9504, 9.2414



20.3436, 21.9504, 81.7483



34.2537, 21.9504, 10.6908

Complementary

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



11.8717, 21.9504, 9.2414



14.0388, 7.1169, 9.0220

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.



36.2935, 21.9504, 25.4326



11.8717, 21.9504, 9.2414



27.3236, 21.9504, 72.7538

Square

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



11.8717, 21.9504, 9.2414



14.7779, 21.9504, 69.6470



33.5295, 21.9504, 49.1275



28.4245, 21.9504, 4.4648

Rectangle

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



11.8717, 21.9504, 9.2414



10.9518, 21.9504, 36.6947



33.5295, 21.9504, 49.1275



35.4528, 21.9504, 14.4904

Sweetspot

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



11.8722, 21.9513, 9.2419



36.2543, 46.5005, 41.6173



14.6232, 23.4910, 3.8785



7.6963, 10.1399, 8.7947



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



11.8722, 21.9513, 9.2419



20.9625, 39.1807, 15.4478



15.4828, 23.3955, 28.2548



5.8312, 6.5091, 6.7219



9.9075, 18.4358, 7.5545



0.1358, 0.2314, 0.1688

Inverse Universe

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



14.0388, 7.1169, 9.0220



24.8467, 12.5028, 14.9930



12.5154, 6.5075, 1.0003



5.9266, 5.8657, 6.7198



11.7352, 5.8991, 7.3527



0.1585, 0.0782, 0.1683

Previews

White Background



This preview shows how the XYZ color 11.8717, 21.9504, 9.2414 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 11.8717, 21.9504, 9.2414 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 11.8717, 21.9504, 9.2414

Background



This preview shows how black text looks on a background with the XYZ color 11.8717, 21.9504, 9.2414.



This preview shows how white text looks on a background with the XYZ color 11.8717, 21.9504,

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

11.8717, 21.9504, 9.2414

Protanopia

19.7440, 21.5369, 7.6738

Deuteranopia

21.9743, 21.5088, 9.8309



Tritanopia

16.7905, 21.9227, 33.0523

Trichromacy



Original Color

11.8717, 21.9504, 9.2414



Protanomaly

14.1719, 20.2653, 8.1657



Deuteranomaly

14.8207, 19.7503, 9.3344



Tritanomaly

14.1346, 21.4621, 21.8100

Monochromacy



Original Color

11.8717, 21.9504, 9.2414



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

10.0156, 14.2357, 11.2367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8717, 21.9504, 9.2414 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(4, 149, 69)` looks like.

```
.text, #text, p{  
    color:rgb(4, 149, 69)  
}
```

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(4, 149, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 149, 69) }
```

Border

The CSS property to change the border of an element to XYZ 11.8717, 21.9504, 9.2414 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(4, 149, 69) }
```


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

```
.border{ border-color:rgb(4, 149, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 149, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 149, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 149, 69);  
box-shadow:4px 4px 4px 4px rgb(4, 149, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.8717, 21.9504, 9.2414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 149, 69) }
```

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

```
.background{ background-color: rgb(4, 149,  
69) }
```

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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