

Converting Colors

XYZ(12.1248, 21.7687, 11.6901)

Have a look what the booklet for
XYZ(12.1248, 21.7687, 11.6901)
contains.

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Color

**XYZ(12.1512, 21.8043,
11.7518)**

Conversions

Conversions Part 1

Format	Color
Hex	009453
RGB	0, 148, 83
RGB Percent	0%, 58%, 33%
CMY	1.0000, 0.4196, 0.6745
CMYK	1.00, 0.00, 0.44, 0.42
HSL	154°, 100%, 29%
HSV	154°, 100%, 58%
XYZ	12.1512, 21.8043, 11.7518
YIQ	96.3380, -67.3430, -51.5910

Conversions

Conversions Part 2

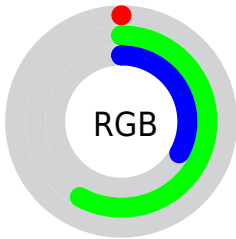
Format	Color
RYB	0, 95, 148
Decimal	37971
CIELab	53.82, -49.06, 25.15
CIELCh	54, 55.133, 152.856
Yxy	21.8043, 0.2658, 0.4770
Android (android.graphics.Color)	4278228051 (0xFF009453)
YUV	96.3380, -6.5756, -84.4884
Hunter-Lab	46.6951, -35.2663, 17.7650

Details

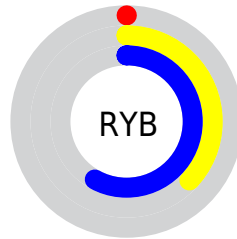
The XYZ color **12.1512, 21.8043, 11.7518** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.1676, 6.6780, 5.5969**, and the grayscale version is **11.2283, 11.8130, 12.8644**.

A 20% lighter version of the original color is **29.3359, 46.3366, 29.5880**, and **4.5013, 8.4931, 3.0712** is the 20% darker color. If you saturate the color by 10%, you get **12.1516, 21.8051, 11.7518**, and if you desaturate by 10%, it is **12.6085, 22.0102, 13.1460**.

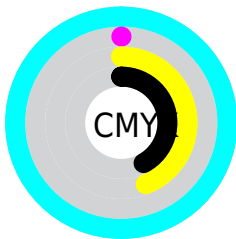
Distribution



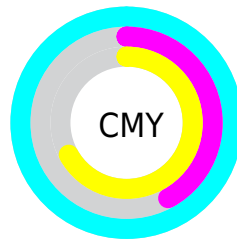
- Red (0%)
- Green (58%)
- Blue (33%)



- Red (0%)
- Yellow (37%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1512, 21.8043, 11.7518 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 12.1512, 21.8043, 11.7518 by changing the saturation by 10% instead.

■ 12.1512, 21.8043,
11.7518

■ 12.1512, 21.8043,
11.7518

199.1533,
261.5226, 213.6744

■ 6.9197, 13.7132,
6.4544

■ 29.3847, 46.4223,
29.6999

■ 3.4578, 7.9214,
3.0501

■ 42.1173, 63.7180,
43.1876

■ 1.4002, 4.0447,
1.1203

■ 58.0810, 84.8507,
60.2426

■ 0.2564, 1.6986,
0.0000

■ 77.6412, 110.2048,
81.2833

■ 0.0000, 0.4228,
0.0000

■ 101.1631,
140.1646, 106.7283

■ 0.0000, 0.0000,
0.0000

■ 129.0122,

175.1145, 136.9961

161.5538,
215.4391, 172.5053

■ 12.1512, 21.8043,
11.7518

■ 12.1512, 21.8043,
11.7518

■ 12.1516, 21.8051,
11.7518

■ 12.6085, 22.0102,
13.1460

■ 13.2257, 22.2953,
14.6732

■ 14.0698, 22.6944,
16.3404

■ 15.1667, 23.2209,
18.1515

■ 16.5384, 23.8861,
20.1107

■ 18.2047, 24.7001,
22.2216

■ 20.1832, 25.6720,
24.4878

■ 22.4904, 26.8101,
26.9127

■ 25.1413, 28.1222,
29.4996

Harmonies

Analogous

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



15.1387, 21.8043, 5.5294



12.1512, 21.8043, 11.7518



11.3028, 21.8043, 25.4038

Triad

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



12.1512, 21.8043, 11.7518



21.2970, 21.8043, 73.4972



31.8406, 21.8043, 10.0768

Complementary

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



12.1512, 21.8043, 11.7518



13.1676, 6.6780, 5.5969

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.



34.3089, 21.8043, 22.1527



12.1512, 21.8043, 11.7518



27.5384, 21.8043, 63.0388

Square

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



12.1512, 21.8043, 11.7518



15.9500, 21.8043, 66.2070



32.6022, 21.8043, 41.9502



26.3673, 21.8043, 4.9367

Rectangle

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



12.1512, 21.8043, 11.7518



11.9006, 21.8043, 38.7992



32.6022, 21.8043, 41.9502



33.0918, 21.8043, 13.1912

Sweetspot

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



12.1518, 21.8052, 11.7523



35.3846, 45.1838, 42.9572



12.8780, 22.3599, 3.6373



7.7601, 10.1584, 9.4506



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.



12.1518, 21.8052, 11.7523



21.3525, 38.4376, 20.2734



14.8119, 21.0710, 31.3044



5.8576, 6.5196, 6.8609



10.3929, 18.6299, 10.1105



0.1421, 0.2340, 0.2019

Inverse Universe

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



13.1676, 6.6780, 5.5969



23.1489, 11.7489, 9.4347



12.2936, 6.4569, 0.5985



5.9003, 5.8552, 6.5810



11.2600, 5.7090, 4.8500



0.1522, 0.0756, 0.1352

Previews

White Background



This preview shows how the XYZ color 12.1512, 21.8043, 11.7518 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 12.1512, 21.8043, 11.7518 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 12.1512, 21.8043, 11.7518

Background



This preview shows how black text looks on a background with the XYZ color 12.1512, 21.8043, 11.7518.



This preview shows how white text looks on a background with the XYZ color 12.1512, 21.8043,

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

12.1512, 21.8043, 11.7518

Protanopia

19.8044, 21.5218, 9.7669

Deuteranopia

21.8996, 21.4126, 12.4300



Tritanopia

16.5395, 21.8028, 32.6148

Trichromacy



Original Color

12.1512, 21.8043, 11.7518



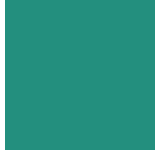
Protanomaly

14.1589, 20.0019, 10.3222



Deuteranomaly

14.7664, 19.4621, 11.9951



Tritanomaly

14.2815, 21.5086, 23.1375

Monochromacy



Original Color

12.1512, 21.8043, 11.7518



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.9435, 14.0089, 12.0774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1512, 21.8043, 11.7518 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(0, 148, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 83)  
}
```

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(0, 148, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 83) }
```

Border

The CSS property to change the border of an element to XYZ 12.1512, 21.8043, 11.7518 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(0, 148, 83) }
```


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

```
.border{ border-color:rgb(0, 148, 83) }
```

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

Here you see how a box with a 4 pixel rgb(0, 148, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 148, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1512, 21.8043, 11.7518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 83) }
```

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

```
.background{ background-color: rgb(0, 148,  
83) }
```

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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