

Converting Colors

XYZ(10.1649, 20.2438, 11.2355)

Have a look what the booklet for
XYZ(10.1649, 20.2438, 11.2355)
contains.

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Color

**XYZ(11.7641, 21.1518,
11.2473)**

Conversions

Conversions Part 1

Format	Color
Hex	009251
RGB	0, 146, 81
RGB Percent	0%, 57%, 32%
CMY	1.0000, 0.4274, 0.6823
CMYK	1.00, 0.00, 0.45, 0.43
HSL	153°, 100%, 29%
HSV	153°, 100%, 57%
XYZ	11.7641, 21.1518, 11.2473
YIQ	94.9360, -66.1510, -51.1670

Conversions

Conversions Part 2

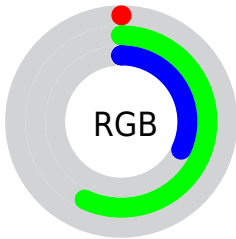
Format	Color
RYB	0, 94, 146
Decimal	37457
CIELab	53.12, -48.73, 25.32
CIELCh	53, 54.919, 152.542
Yxy	21.1518, 0.2664, 0.4789
Android (android.graphics.Color)	4278227537 (0xFF009251)
YUV	94.9360, -6.8704, -83.2589
Hunter-Lab	45.9911, -34.8257, 17.6942

Details

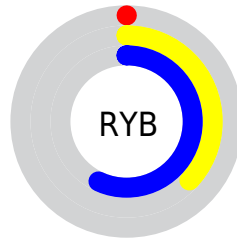
The XYZ color **11.7641, 21.1518, 11.2473** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.8090, 6.4932, 5.5807**, and the grayscale version is **10.8901, 11.4573, 12.4770**.

A 20% lighter version of the original color is **28.6395, 45.2968, 28.7064**, and **4.3061, 8.1268, 2.9318** is the 20% darker color. If you saturate the color by 10%, you get **11.7644, 21.1525, 11.2469**, and if you desaturate by 10%, it is **12.2109, 21.3532, 12.6028**.

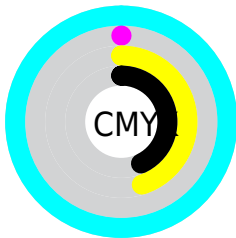
Distribution



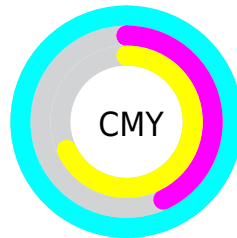
- Red (0%)
- Green (57%)
- Blue (32%)



- Red (0%)
- Yellow (37%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (43%)



- Cyan (100%)
- Magenta (43%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7641, 21.1518, 11.2473 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 11.7641, 21.1518, 11.2473 by changing the saturation by 10% instead.

■ 11.7641, 21.1518,
11.2473

■ 11.7641, 21.1518,
11.2473

196.6392,
258.0841, 210.1544

■ 6.6543, 13.2350,
6.1172

■ 28.6853, 45.3400,
28.7602

■ 3.2913, 7.5906,
2.8465

■ 41.2275, 62.3803,
41.9800

■ 1.3096, 3.8341,
1.0168

■ 56.9778, 83.2304,
58.7335

■ 0.1904, 1.5812,
0.0000

■ 76.3016, 108.2749,
79.4391

■ 0.0000, 0.3449,
0.0000

■ 99.5643, 137.8982,
104.5155

■ 0.0000, 0.0000,
0.0000

■ 127.1313,

172.4845, 134.3811

159.3678,
212.4184, 169.4546

■ 11.7641, 21.1518,
11.2473

■ 11.7641, 21.1518,
11.2473

■ 11.7644, 21.1525,
11.2469

■ 12.2109, 21.3532,
12.6028

■ 12.8124, 21.6310,
14.0903

■ 13.6345, 22.0196,
15.7163

■ 14.7022, 22.5320,
17.4852

■ 16.0368, 23.1790,
19.4008

■ 17.6575, 23.9704,
21.4669

■ 19.5813, 24.9150,
23.6871

■ 21.8241, 26.0209,
26.0646

■ 24.4005, 27.2956,
28.6030

Harmonies

Analogous

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



14.6968, 21.1518, 5.2659



11.7641, 21.1518, 11.2473



10.9167, 21.1518, 24.4720

Triad

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



11.7641, 21.1518, 11.2473



20.6013, 21.1518, 71.7358



31.0090, 21.1518, 9.7976

Complementary

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



11.7641, 21.1518, 11.2473



12.8090, 6.4932, 5.5807

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.



33.3828, 21.1518, 21.6472



11.7641, 21.1518, 11.2473



26.6976, 21.1518, 61.6532

Square

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



11.7641, 21.1518, 11.2473



15.4009, 21.1518, 64.4161



31.6719, 21.1518, 41.0544



25.6790, 21.1518, 4.7553

Rectangle

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



11.7641, 21.1518, 11.2473



11.4844, 21.1518, 37.5215



31.6719, 21.1518, 41.0544



32.2208, 21.1518, 12.8534

Sweetspot

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



11.7646, 21.1526, 11.2478



34.3183, 43.8412, 41.5370



12.5063, 21.7066, 3.5309



7.3402, 9.6083, 8.9083



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



11.7646, 21.1526, 11.2478



20.6668, 37.2797, 19.3864



14.3782, 20.4547, 30.3854



5.8562, 6.5191, 6.8534



10.3637, 18.6183, 9.9566



0.1417, 0.2338, 0.2002

Inverse Universe

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



12.8090, 6.4932, 5.5807



22.5127, 11.4208, 9.4084



11.9339, 6.2699, 0.5815



5.9017, 5.8557, 6.5884



11.2823, 5.7180, 4.9676



0.1526, 0.0758, 0.1370

Previews

White Background



This preview shows how the XYZ color 11.7641, 21.1518, 11.2473 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 11.7641, 21.1518, 11.2473 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 11.7641, 21.1518, 11.2473

Background



This preview shows how black text looks on a background with the XYZ color 11.7641, 21.1518, 11.2473.



This preview shows how white text looks on a background with the XYZ color 11.7641, 21.1518,

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

11.7641, 21.1518, 11.2473

Protanopia

19.1781, 20.8194, 9.4863

Deuteranopia

21.3202, 20.9422, 11.9354



Tritanopia

16.0346, 21.1312, 31.6674

Trichromacy



Original Color

11.7641, 21.1518, 11.2473



Protanomaly

13.7516, 19.3856, 10.0382



Deuteranomaly

14.4462, 19.1079, 11.5211



Tritanomaly

13.8227, 20.8451, 22.3638

Monochromacy



Original Color

11.7641, 21.1518, 11.2473



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.7263, 13.7335, 11.8111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7641, 21.1518, 11.2473 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, 146, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 81)  
}
```

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, 146, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 81) }
```

Border

The CSS property to change the border of an element to XYZ 11.7641, 21.1518, 11.2473 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, 146, 81) }
```


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

```
.border{ border-color:rgb(0, 146, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 146, 81)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.7641, 21.1518, 11.2473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 81) }
```

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

```
.background{ background-color: rgb(0, 146,  
81) }
```

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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