

Converting Colors

XYZ(11.8573, 20.9967, 11.4108)

Have a look what the booklet for
XYZ(11.8573, 20.9967, 11.4108)
contains.

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Color

**XYZ(11.8454, 20.9616,
11.4043)**

Conversions

Conversions Part 1

Format	Color
Hex	0F9152
RGB	15, 145, 82
RGB Percent	6%, 57%, 32%
CMY	0.9412, 0.4314, 0.6784
CMYK	0.90, 0.00, 0.43, 0.43
HSL	151°, 81%, 31%
HSV	151°, 90%, 57%
XYZ	11.8454, 20.9616, 11.4043
YIQ	98.9480, -57.2570, -47.1530

Conversions

Conversions Part 2

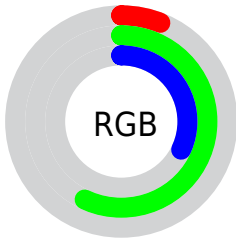
Format	Color
R _Y B	15, 101, 145
Decimal	1020242
CIE Lab	52.91, -47.26, 24.53
CIE LCh	53, 53.250, 152.570
Yxy	20.9616, 0.2679, 0.4741
Android (android.graphics.Color)	4279210322 (0xFF0F9152)
YUV	98.9480, -8.3554, -73.6224
Hunter-Lab	45.7838, -33.9394, 17.2801

Details

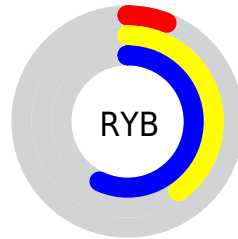
The XYZ color **11.8454, 20.9616, 11.4043** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.2237, 6.9119, 7.8458**, and the grayscale version is **11.8779, 12.4965, 13.6087**.

A 20% lighter version of the original color is **28.8436, 45.0492, 29.0049**, and **4.2328, 7.9561, 2.9817** is the 20% darker color. If you saturate the color by 10%, you get **11.4012, 20.7625, 10.0587**, and if you desaturate by 10%, it is **12.4513, 21.2420, 12.9014**.

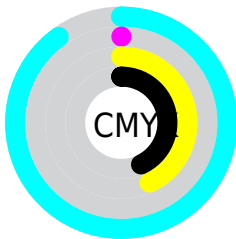
Distribution



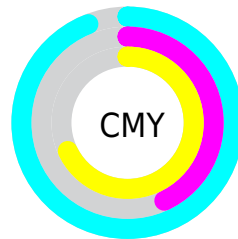
- Red (6%)
- Green (57%)
- Blue (32%)



- Red (6%)
- Yellow (40%)
- Blue (57%)



- Cyan (90%)
- Magenta (0%)
- Yellow (43%)
- Black (43%)



- Cyan (94%)
- Magenta (43%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8454, 20.9616, 11.4043 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 11.8454, 20.9616, 11.4043 by changing the saturation by 10% instead.

■ 11.8454, 20.9616,
11.4043

■ 11.8454, 20.9616,
11.4043

197.1700,
257.0744, 211.2567

■ 6.7099, 13.0959,
6.2219

■ 28.8325, 45.0236,
29.0534

■ 3.3261, 7.4946,
2.9095

■ 41.4149, 61.9888,
42.3571

■ 1.3285, 3.7733,
1.0486

■ 57.2103, 82.7559,
59.2051

■ 0.2044, 1.5476,
0.0000

■ 76.5841, 107.7093,
80.0158

■ 0.0000, 0.3219,
0.0000

■ 99.9016, 137.2335,
105.2078

■ 0.0000, 0.0000,
0.0000

■ 127.5281,

171.7128, 135.1995

159.8292,
211.5316, 170.4097

■ 11.8454, 20.9616,
11.4043

■ 11.8454, 20.9616,
11.4043

■ 11.4012, 20.7625,
10.0587

■ 12.4513, 21.2420,
12.9014

■ 11.3866, 20.7559,
10.0145

■ 13.2786, 21.6328,
14.5556

■ 14.3526, 22.1473,
16.3723

■ 15.6943, 22.7965,
18.3564

■ 17.3226, 23.5899,
20.5124

■ 19.2545, 24.5361,
22.8447

■ 21.5055, 25.6433,
25.3573

■ 24.0902, 26.9188,
28.0543

■ 27.0222, 28.3694,
30.9396

Harmonies

Analogous

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



14.6935, 20.9616, 5.4996



11.8454, 20.9616, 11.4043



11.0211, 20.9616, 24.2278

Triad

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



11.8454, 20.9616, 11.4043



20.4078, 20.9616, 69.2591



30.3872, 20.9616, 9.9681

Complementary

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



11.8454, 20.9616, 11.4043



13.2237, 6.9119, 7.8458

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.



32.6603, 20.9616, 21.4748



11.8454, 20.9616, 11.4043



26.2668, 20.9616, 59.6858

Square

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



11.8454, 20.9616, 11.4043



15.3835, 20.9616, 62.3365



31.0284, 20.9616, 40.0809



25.2787, 20.9616, 4.9837

Rectangle

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



11.8454, 20.9616, 11.4043



11.5760, 20.9616, 36.7454



31.0284, 20.9616, 40.0809



31.5471, 20.9616, 12.9546

Sweetspot

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



11.8459, 20.9624, 11.4048



35.2748, 44.3290, 41.8232



13.5206, 21.9917, 3.9843



7.5961, 9.7381, 9.0142



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.



11.8459, 20.9624, 11.4048



20.3025, 37.1340, 17.4682



15.4339, 22.3976, 30.2989



5.4516, 6.0729, 6.3441



9.7795, 17.8077, 8.6588



0.1046, 0.1747, 0.1414

Inverse Universe

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



13.2237, 6.9119, 7.8458



22.8197, 11.5436, 11.0249



11.9347, 6.3962, 1.0577



5.5109, 5.4649, 6.1886



10.9844, 5.5508, 5.5694



0.1161, 0.0575, 0.1114

Previews

White Background



This preview shows how the XYZ color 11.8454, 20.9616, 11.4043 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 11.8454, 20.9616, 11.4043 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 11.8454, 20.9616, 11.4043

Background



This preview shows how black text looks on a background with the XYZ color 11.8454, 20.9616, 11.4043.



This preview shows how white text looks on a background with the XYZ color 11.8454, 20.9616,

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

11.8454, 20.9616, 11.4043

Protanopia

19.0474, 20.7481, 9.6575

Deuteranopia

21.0556, 20.6216, 12.1031



Tritanopia

15.8665, 20.8417, 31.2036

Trichromacy



Original Color

11.8454, 20.9616, 11.4043



Protanomaly

14.2769, 19.6523, 10.2485



Deuteranomaly

14.8968, 19.1391, 11.7132



Tritanomaly

13.8912, 20.6625, 22.3249

Monochromacy



Original Color

11.8454, 20.9616, 11.4043



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

10.6051, 14.5100, 12.5977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8454, 20.9616, 11.4043 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(15, 145, 82)` looks like.

```
.text, #text, p{  
    color:rgb(15, 145, 82)  
}
```

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(15, 145, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 145, 82) }
```

Border

The CSS property to change the border of an element to XYZ 11.8454, 20.9616, 11.4043 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(15, 145, 82) }
```


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

```
.border{ border-color:rgb(15, 145, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 145, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 145, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 145, 82);  
box-shadow:4px 4px 4px 4px rgb(15, 145,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8454, 20.9616, 11.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 145, 82) }
```

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

```
.background{ background-color: rgb(15, 145,  
82) }
```

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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