

Converting Colors

XYZ(11.8614, 20.8842, 10.2548)

Have a look what the booklet for
XYZ(11.8614, 20.8842, 10.2548)
contains.

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Color

**XYZ(11.9366, 21.0338,
10.2683)**

Conversions

Conversions Part 1

Format	Color
Hex	1D914C
RGB	29, 145, 76
RGB Percent	11%, 57%, 30%
CMY	0.8863, 0.4314, 0.7020
CMYK	0.80, 0.00, 0.48, 0.43
HSL	144°, 67%, 34%
HSV	144°, 80%, 57%
XYZ	11.9366, 21.0338, 10.2683
YIQ	102.4500, -46.9870, -46.0510

Conversions

Conversions Part 2

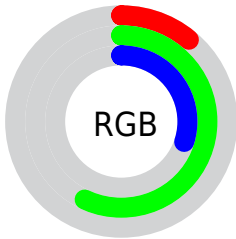
Format	Color
R_{YB}	29, 112, 145
Decimal	1937740
CIE _{Lab}	52.99, -46.97, 27.91
CIE _{LCh}	53, 54.631, 149.281
Yxy	21.0338, 0.2761, 0.4865
Android (android.graphics.Color)	4280127820 (0xFF1D914C)
YUV	102.4500, -13.0399, -64.4156
Hunter-Lab	45.8626, -33.8016, 18.8292

Details

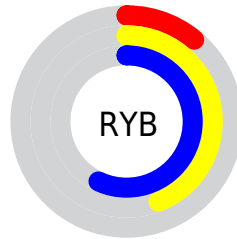
The XYZ color **11.9366, 21.0338, 10.2683** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.3217, 7.7807, 12.3030**, and the grayscale version is **12.7897, 13.4558, 14.6533**.

A 20% lighter version of the original color is **29.0363, 45.1946, 26.9317**, and **4.1361, 7.9174, 2.4726** is the 20% darker color. If you saturate the color by 10%, you get **11.3392, 20.7588, 8.7789**, and if you desaturate by 10%, it is **12.7682, 21.4261, 11.9796**.

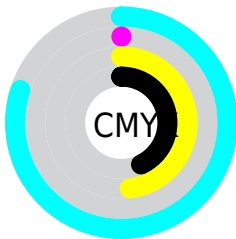
Distribution



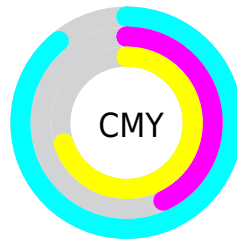
- Red (11%)
- Green (57%)
- Blue (30%)



- Red (11%)
- Yellow (44%)
- Blue (57%)



- Cyan (80%)
- Magenta (0%)
- Yellow (48%)
- Black (43%)





- Cyan (89%)
- Magenta (43%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.9366, 21.0338, 10.2683 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 11.9366, 21.0338, 10.2683 by changing the saturation by 10% instead.


 11.9366, 21.0338,
10.2683


 11.9366, 21.0338,
10.2683


197.7636,
257.4581, 203.1303


 6.7724, 13.1487,
5.4693


 28.9974, 45.1438,
26.9146


 3.3652, 7.5310,
2.4616


 41.6248, 62.1375,
39.5990


 1.3497, 3.7964,
0.8197

 57.4706, 82.9361,
55.7489

 0.2200, 1.5603,
0.0000

 76.9002, 107.9242,
75.7829

 0.0000, 0.3306,
0.0000

 100.2789,
137.4860, 100.1194

 0.0000, 0.0000,
0.0000

 127.9722,

172.0060, 129.1772

160.3453,
211.8686, 163.3746

■ 11.9366, 21.0338,
10.2683

■ 11.9366, 21.0338,
10.2683

■ 11.3392, 20.7588,
8.7789

■ 12.7682, 21.4261,
11.9796

■ 10.9088, 20.5648,
7.4984

■ 13.8579, 21.9460,
13.9203

■ 10.9087, 20.5648,
7.4983

■ 15.2282, 22.6056,
16.0993

■ 16.8985, 23.4148,
18.5247

■ 18.8867, 24.3824,
21.2040

■ 21.2088, 25.5169,
24.1445

■ 23.8801, 26.8257,
27.3531

■ 26.9147, 28.3162,
30.8366

■ 30.3260, 29.9950,
34.6013

Harmonies

Analogous

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



15.0725, 21.0338, 4.9315



11.9366, 21.0338, 10.2683



10.8741, 21.0338, 22.5085

Triad

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



11.9366, 21.0338, 10.2683



19.8540, 21.0338, 71.1680



31.2255, 21.0338, 10.6754

Complementary

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



11.9366, 21.0338, 10.2683



14.3217, 7.7807, 12.3030

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.



33.1581, 21.0338, 23.3005



11.9366, 21.0338, 10.2683



25.8801, 21.0338, 62.9274

Square

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



11.9366, 21.0338, 10.2683



14.8750, 21.0338, 62.1537



31.0397, 21.0338, 43.1007



26.1656, 21.0338, 5.0752

Rectangle

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



11.9366, 21.0338, 10.2683



11.2905, 21.0338, 34.9828



31.0397, 21.0338, 43.1007



32.3008, 21.0338, 13.9824

Sweetspot

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



11.9371, 21.0347, 10.2688



36.0327, 44.7429, 40.8084



15.4499, 22.9706, 4.7820



7.7257, 9.8118, 8.7084



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.



11.9371, 21.0347, 10.2688



19.7108, 36.9082, 13.8589



14.8941, 22.2174, 25.8398



5.4278, 6.0633, 6.2185



9.3687, 17.6434, 6.4959



0.1000, 0.1729, 0.1171

Inverse Universe

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



14.3217, 7.7807, 12.3030



24.1058, 12.1891, 17.3934



12.5103, 7.0562, 2.7642



5.5350, 5.4745, 6.3153



11.4783, 5.7483, 8.1700



0.1207, 0.0593, 0.1358

Previews

White Background



This preview shows how the XYZ color 11.9366, 21.0338, 10.2683 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 11.9366, 21.0338, 10.2683 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 11.9366, 21.0338, 10.2683

Background



This preview shows how black text looks on a background with the XYZ color 11.9366, 21.0338, 10.2683.



This preview shows how white text looks on a background with the XYZ color 11.9366, 21.0338,

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

11.9366, 21.0338, 10.2683

Protanopia

19.0163, 20.7547, 8.6340

Deuteranopia

21.0020, 20.6214, 10.8561



Tritanopia

16.2154, 21.0215, 31.2199

Trichromacy



Original Color

11.9366, 21.0338, 10.2683



Protanomaly

14.5942, 19.8396, 9.1911



Deuteranomaly

15.3616, 19.4055, 10.5254



Tritanomaly

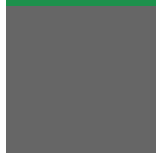
14.1576, 20.8143, 21.6837

Monochromacy



Original Color

11.9366, 21.0338, 10.2683



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

11.3559, 15.2430, 12.6996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9366, 21.0338, 10.2683 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(29, 145, 76)` looks like.

```
.text, #text, p{  
    color:rgb(29, 145, 76)  
}
```

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(29, 145, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 145, 76) }
```

Border

The CSS property to change the border of an element to XYZ 11.9366, 21.0338, 10.2683 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(29, 145, 76) }
```


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

```
.border{ border-color:rgb(29, 145, 76) }
```

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

Here you see how a box with a 4 pixel rgb(29, 145, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 145, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 145, 76);  
box-shadow:4px 4px 4px 4px rgb(29, 145,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9366, 21.0338, 10.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 145, 76) }
```

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

```
.background{ background-color: rgb(29, 145,  
76) }
```

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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