

Converting Colors

XYZ(9.6140, 18.3540, 4.4562)

Have a look what the booklet for
XYZ(9.6140, 18.3540, 4.4562)
contains.

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Color

**XYZ(9.6515, 18.4355,
4.4886)**

Conversions

Conversions Part 1

Format	Color
Hex	148A21
RGB	20, 138, 33
RGB Percent	8%, 54%, 13%
CMY	0.9216, 0.4588, 0.8706
CMYK	0.86, 0.00, 0.76, 0.46
HSL	127°, 75%, 31%
HSV	127°, 86%, 54%
XYZ	9.6515, 18.4355, 4.4886
YIQ	90.7480, -36.6230, -57.6710

Conversions

Conversions Part 2

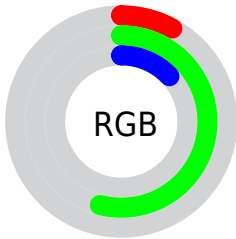
Format	Color
R_{YB}	20, 126, 138
Decimal	1346081
CIE _{Lab}	50.02, -51.30, 44.74
CIE _{LCh}	50, 68.068, 138.909
Yxy	18.4355, 0.2963, 0.5659
Android (android.graphics.Color)	4279536161 (0xFF148A21)
YUV	90.7480, -28.4698, -62.0460
Hunter-Lab	42.9366, -35.0149, 23.8574

Details

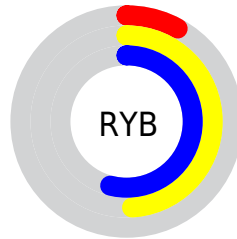
The XYZ color **9.6515, 18.4355, 4.4886** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.4334, 7.3845, 20.0663**, and the grayscale version is **9.9557, 10.4742, 11.4064**.

A 20% lighter version of the original color is **24.9261, 40.9695, 15.1885**, and **3.3278, 6.6556, 1.1093** is the 20% darker color. If you saturate the color by 10%, you get **9.2993, 18.2708, 3.7327**, and if you desaturate by 10%, it is **10.2211, 18.7061, 5.5833**.

Distribution



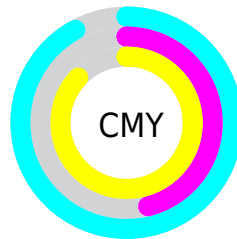
- Red (8%)
- Green (54%)
- Blue (13%)



- Red (8%)
- Yellow (49%)
- Blue (54%)



- Cyan (86%)
- Magenta (0%)
- Yellow (76%)
- Black (46%)



- Cyan (92%)
- Magenta (46%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6515, 18.4355, 4.4886 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 9.6515, 18.4355, 4.4886 by changing the saturation by 10% instead.

■ 9.6515, 18.4355,
4.4886

■ 9.6515, 18.4355,
4.4886

182.2725,
243.3144, 153.5105

■ 5.2290, 11.2631,
1.8970

■ 24.7936, 40.7780,
15.1218

■ 2.4184, 6.2441,
0.4908

■ 36.2439, 56.7169,
24.0005

■ 0.8543, 2.9941,
0.0000

■ 50.7675, 76.3468,
35.8120

■ 0.0000, 1.1286,
0.0000

■ 68.7297, 100.0520,
50.9749

■ 0.0000, 0.0022,
0.0000

■ 90.4960, 128.2170,
69.9076

■ 0.0000, 0.0000,
0.0000

■ 116.4316,

161.2261, 93.0288

146.9020,
199.4638, 120.7569

■ 9.6515, 18.4355,
4.4886

■ 9.6515, 18.4355,
4.4886

■ 9.2993, 18.2708,
3.7327

■ 10.2211, 18.7061,
5.5833

■ 9.1766, 18.2128,
3.4915

■ 11.0417, 19.0975,
7.0492

■ 12.1387, 19.6228,
8.9162

■ 13.5340, 20.2928,
11.2107

■ 15.2474, 21.1170,
13.9569

■ 17.2968, 22.1044,
17.1771

■ 19.6991, 23.2631,
20.8924

■ 22.4698, 24.6007,
25.1224

■ 25.6234, 26.1243,
29.8856

Harmonies

Analogous

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



13.7552, 18.4355, 1.6441



9.6515, 18.4355, 4.4886



7.8530, 18.4355, 13.9123

Triad

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



9.6515, 18.4355, 4.4886



15.2132, 18.4355, 80.2055



32.3126, 18.4355, 10.5185

Complementary

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



9.6515, 18.4355, 4.4886



14.4334, 7.3845, 20.0663

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.



32.9845, 18.4355, 27.8275



9.6515, 18.4355, 4.4886



21.9213, 18.4355, 77.0476

Square

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



9.6515, 18.4355, 4.4886



10.4893, 18.4355, 61.2831



28.8101, 18.4355, 54.2624



27.1540, 18.4355, 3.3271

Rectangle

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



9.6515, 18.4355, 4.4886



7.8044, 18.4355, 26.1827



28.8101, 18.4355, 54.2624



33.1114, 18.4355, 14.9966

Sweetspot

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



9.6519, 18.4363, 4.4890



30.0799, 38.7649, 29.6408



17.8492, 22.6792, 4.0986



6.4972, 8.5745, 6.2578



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



9.6519, 18.4363, 4.4890



16.1434, 32.0895, 5.9896



11.2572, 19.0783, 12.9420



4.9928, 5.6166, 5.4832



8.4164, 16.6991, 3.2173



0.0584, 0.1119, 0.0347

Inverse Universe

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



14.4334, 7.3845, 20.0663



24.7183, 12.0215, 33.7410



11.7510, 6.3115, 5.9408



5.2105, 5.1196, 6.1970



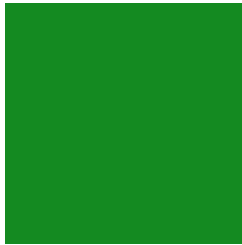
12.8791, 6.2618, 17.6656



0.0887, 0.0429, 0.1339

Previews

White Background



This preview shows how the XYZ color 9.6515, 18.4355, 4.4886 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 9.6515, 18.4355, 4.4886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

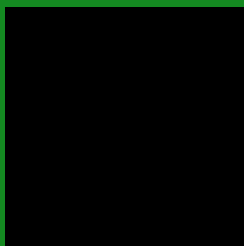
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.6515, 18.4355, 4.4886

Background



This preview shows how black text looks on a background with the XYZ color 9.6515, 18.4355, 4.4886.



This preview shows how white text looks on a background with the XYZ color 9.6515, 18.4355,

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

9.6515, 18.4355, 4.4886

Protanopia

16.4793, 18.2640, 3.7554

Deuteranopia

18.4615, 18.0661, 4.8969



Tritanopia

14.3141, 18.4944, 27.2414

Trichromacy



Original Color

9.6515, 18.4355, 4.4886



Protanomaly

12.1088, 17.2908, 3.9275



Deuteranomaly

12.5872, 16.5946, 4.5472



Tritanomaly

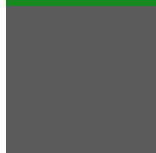
11.6337, 17.9805, 14.9140

Monochromacy



Original Color

9.6515, 18.4355, 4.4886



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.6480, 12.2911, 7.7110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6515, 18.4355, 4.4886 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(20, 138, 33)` looks like.

```
.text, #text, p{  
    color:rgb(20, 138, 33)  
}
```

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(20, 138, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 138, 33) }
```

Border

The CSS property to change the border of an element to XYZ 9.6515, 18.4355, 4.4886 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(20, 138, 33) }
```


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

```
.border{ border-color:rgb(20, 138, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 138, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 138, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 138, 33);  
box-shadow:4px 4px 4px 4px rgb(20, 138,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 9.6515, 18.4355, 4.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 138, 33) }
```

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

```
.background{ background-color: rgb(20, 138,  
33) }
```

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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