

Converting Colors

XYZ(9.5530, 17.7027, 6.7035)

Have a look what the booklet for
XYZ(9.5530, 17.7027, 6.7035)
contains.

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Color

**XYZ(9.5438, 17.6990,
6.6546)**

Conversions

Conversions Part 1

Format	Color
Hex	0D8738
RGB	13, 135, 56
RGB Percent	5%, 53%, 22%
CMY	0.9490, 0.4706, 0.7804
CMYK	0.90, 0.00, 0.59, 0.47
HSL	141°, 82%, 29%
HSV	141°, 90%, 53%
XYZ	9.5438, 17.6990, 6.6546
YIQ	89.5160, -47.3530, -50.4330

Conversions

Conversions Part 2

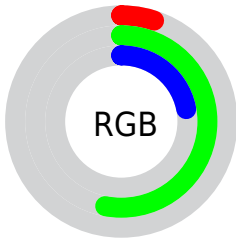
Format	Color
RYB	13, 103, 135
Decimal	886584
CIELab	49.13, -48.33, 33.51
CIElCh	49, 58.812, 145.264
Yxy	17.6990, 0.2815, 0.5221
Android (android.graphics.Color)	4279076664 (0xFF0D8738)
YUV	89.5160, -16.5234, -67.1045
Hunter-Lab	42.0702, -33.1293, 20.0707

Details

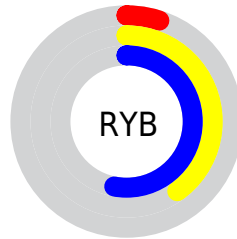
The XYZ color **9.5438, 17.6990, 6.6546** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.0682, 6.2120, 10.6900**, and the grayscale version is **9.6540, 10.1568, 11.0608**.

A 20% lighter version of the original color is **24.4937, 39.3464, 19.6683**, and **3.2032, 6.3538, 1.2299** is the 20% darker color. If you saturate the color by 10%, you get **9.1891, 17.5385, 5.6519**, and if you desaturate by 10%, it is **10.0501, 17.9336, 7.8941**.

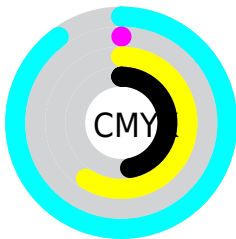
Distribution



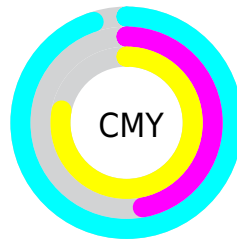
- Red (5%)
- Green (53%)
- Blue (22%)



- Red (5%)
- Yellow (40%)
- Blue (53%)



- Cyan (90%)
- Magenta (0%)
- Yellow (59%)
- Black (47%)





- Cyan (95%)
- Magenta (47%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.5438, 17.6990, 6.6546 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 9.5438, 17.6990, 6.6546 by changing the saturation by 10% instead.


 9.5438, 17.6990,
6.6546


 9.5438, 17.6990,
6.6546


181.5069,
239.1689, 174.2826


 5.1575, 10.7341,
3.1719


 24.5914, 39.5238,
19.7758


 2.3757, 5.8883,
1.1831

 35.9833, 55.1524,
30.2514


 0.8330, 2.7773,
0.0000

 50.4412, 74.4378,
43.8950

 0.0000, 1.0166,
0.0000

 68.3304, 97.7642,
61.1252

 0.0000, 0.0000,
0.0000

 90.0162, 125.5162,
82.3605

 115.8639,

158.0780, 108.0195

146.2391,
195.8341, 138.5207

■ 9.5438, 17.6990,
6.6546

■ 9.5438, 17.6990,
6.6546

■ 9.1891, 17.5385,
5.6519

■ 10.0501, 17.9336,
7.8941

■ 10.7585, 18.2674,
9.3472

■ 11.6911, 18.7120,
11.0240

■ 12.8667, 19.2770,
12.9338

■ 14.3021, 19.9708,
15.0851

■ 16.0124, 20.8012,
17.4861

■ 18.0117, 21.7751,
20.1446

■ 20.3129, 22.8990,
23.0680

■ 22.9282, 24.1792,
26.2636

Harmonies

Analogous

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



12.7015, 17.6990, 2.8101



9.5438, 17.6990, 6.6546



8.3325, 17.6990, 16.8777

Triad

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



9.5438, 17.6990, 6.6546



15.9644, 17.6990, 67.9388



28.3098, 17.6990, 9.0216

Complementary

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



9.5438, 17.6990, 6.6546



12.0682, 6.2120, 10.6900

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.



29.7121, 17.6990, 21.8810



9.5438, 17.6990, 6.6546



21.7502, 17.6990, 61.6728

Square

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



9.5438, 17.6990, 6.6546



11.4885, 17.6990, 56.4012



27.0926, 17.6990, 42.1856



23.5945, 17.6990, 3.5612

Rectangle

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



9.5438, 17.6990, 6.6546



8.5451, 17.6990, 28.3925



27.0926, 17.6990, 42.1856



29.2226, 17.6990, 12.3482

Sweetspot

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



9.5442, 17.6997, 6.6550



29.6097, 37.7048, 32.5805



13.1811, 19.6486, 3.4789



6.6282, 8.6205, 7.2347



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.



9.5442, 17.6997, 6.6550



16.3853, 31.3790, 9.7520



12.0238, 18.6916, 19.7123



4.6791, 5.2299, 5.3212



8.4791, 16.1745, 5.2427



0.0326, 0.0573, 0.0352

Inverse Universe

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



12.0682, 6.2120, 10.6900



20.9271, 10.4378, 16.8135



10.3874, 5.5397, 1.8394



4.7900, 4.7357, 5.5066



10.8223, 5.3933, 8.9027



0.0410, 0.0201, 0.0491

Previews

White Background



This preview shows how the XYZ color 9.5438, 17.6990, 6.6546 looks on a white background.

Color Contrast Check

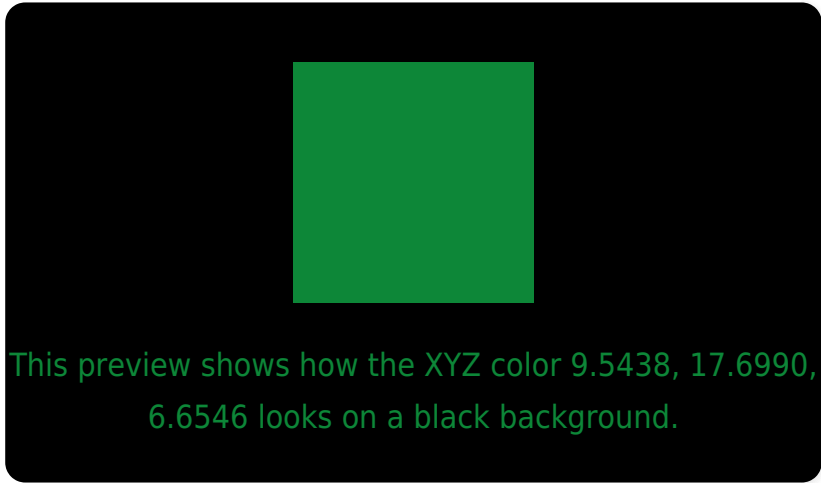
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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 9.5438, 17.6990, 6.6546

Background



This preview shows how black text looks on a background with the XYZ color 9.5438, 17.6990, 6.6546.



This preview shows how white text looks on a background with the XYZ color 9.5438, 17.6990,

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

9.5438, 17.6990, 6.6546

Protanopia

15.8744, 17.3882, 5.5372

Deuteranopia

17.7370, 17.4785, 7.1415



Tritanopia

13.6260, 17.7692, 26.3785

Trichromacy



Original Color

9.5438, 17.6990, 6.6546

Protanomaly

11.6333, 16.4401, 5.8089

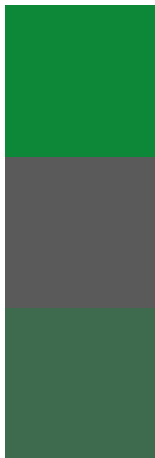
Deuteranomaly

12.2514, 16.1921, 6.7546

Tritanomaly

11.5261, 17.4793, 16.9537

Monochromacy



Original Color

9.5438, 17.6990, 6.6546

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

8.5158, 11.8823, 9.0524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5438, 17.6990, 6.6546 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(13, 135, 56)` looks like.

```
.text, #text, p{  
    color:rgb(13, 135, 56)  
}
```

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(13, 135, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 135, 56) }
```

Border

The CSS property to change the border of an element to XYZ 9.5438, 17.6990, 6.6546 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(13, 135, 56) }
```


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

```
.border{ border-color:rgb(13, 135, 56) }
```

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

Here you see how a box with a 4 pixel rgb(13, 135, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 135, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 135, 56);  
box-shadow:4px 4px 4px 4px rgb(13, 135,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 9.5438, 17.6990, 6.6546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 135, 56) }
```

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

```
.background{ background-color: rgb(13, 135,  
56) }
```

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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