

Converting Colors

XYZ(9.9461, 18.6169, 3.5783)

Have a look what the booklet for
XYZ(9.9461, 18.6169, 3.5783)
contains.

XYZ(9.9450, 18.6077, 3.5577)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.9450, 18.6077,
3.5577)**

Conversions

Conversions Part 1

Format	Color
Hex	258A10
RGB	37, 138, 16
RGB Percent	15%, 54%, 6%
CMY	0.8549, 0.4588, 0.9372
CMYK	0.73, 0.00, 0.88, 0.46
HSL	110°, 79%, 30%
HSV	110°, 88%, 54%
XYZ	9.9450, 18.6077, 3.5577
YIQ	93.8930, -21.0340, -59.3540

Conversions

Conversions Part 2

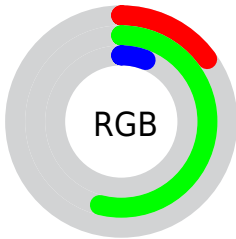
Format	Color
RYB	16, 138, 117
Decimal	2460176
CIELab	50.23, -49.84, 50.24
CIELCh	50, 70.772, 134.772
Yxy	18.6077, 0.3097, 0.5795
Android (android.graphics.Color)	4280650256 (0xFF258A10)
YUV	93.8930, -38.4012, -49.8952
Hunter-Lab	43.1366, -34.3366, 25.3057

Details

The XYZ color **9.9450, 18.6077, 3.5577** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.1103, 5.9884, 24.5633**, and the grayscale version is **10.7061, 11.2637, 12.2662**.

A 20% lighter version of the original color is **25.4182, 41.2736, 12.9303**, and **3.4082, 6.8164, 1.1361** is the 20% darker color. If you saturate the color by 10%, you get **9.5162, 18.3966, 3.1127**, and if you desaturate by 10%, it is **10.5599, 18.9093, 4.3087**.

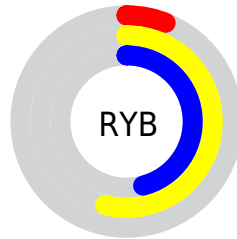
Distribution



Red (15%)

Green (54%)

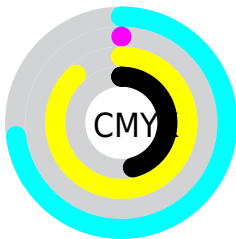
Blue (6%)



Red (6%)

Yellow (54%)

Blue (46%)

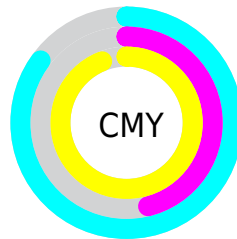


Cyan (73%)

Magenta (0%)

Yellow (88%)

Black (46%)



Cyan (85%)

Magenta (46%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9450, 18.6077, 3.5577 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 9.9450, 18.6077, 3.5577 by changing the saturation by 10% instead.

■ 9.9450, 18.6077,
3.5577

■ 9.9450, 18.6077,
3.5577

184.3409,
244.2744, 143.1745

■ 5.4245, 11.3872,
1.3860

■ 25.3426, 41.0701,
12.9761

■ 2.5357, 6.3279,
0.1307

■ 36.9504, 57.0808,
21.0599

■ 0.9133, 3.0455,
0.0000

■ 51.6514, 76.7904,
31.9514

■ 0.0000, 1.1555,
0.0000

■ 69.8109, 100.5831,
46.0693


■ 0.0000, 0.0249,
0.0000


■ 91.7942, 128.8435,
63.8319


■ 0.0000, 0.0000,
0.0000


■ 117.9667,


161.9559, 85.6580


 148.6939,
200.3048, 111.9660


 9.9450, 18.6077,
3.5577


 9.9450, 18.6077,
3.5577


 9.5162, 18.3966,
3.1127


 10.5599, 18.9093,
4.3087

 9.4596, 18.3688,
3.0470

 11.3907, 19.3127,
5.4718

 12.4565, 19.8273,
7.0950

 13.7740, 20.4608,
9.2197

 15.3582, 21.2202,
11.8826

■ 17.2228, 22.1118,
15.1168

■ 19.3808, 23.1416,
18.9530

■ 21.8443, 24.3153,
23.4195

■ 24.6245, 25.6380,
28.5429

Harmonies

Analogous

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



14.5396, 18.6077, 1.3032



9.9450, 18.6077, 3.5577



7.7876, 18.6077, 11.8887

Triad

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



9.9450, 18.6077, 3.5577



14.4510, 18.6077, 82.6856



33.6990, 18.6077, 12.0929

Complementary

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



9.9450, 18.6077, 3.5577



12.1103, 5.9884, 24.5633

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.



33.6573, 18.6077, 31.8546



9.9450, 18.6077, 3.5577



21.2566, 18.6077, 82.8840

Square

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



9.9450, 18.6077, 3.5577



9.8946, 18.6077, 60.0618



28.6626, 18.6077, 60.5005



28.7649, 18.6077, 3.6246

Rectangle

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



9.9450, 18.6077, 3.5577



7.5491, 18.6077, 23.5591



28.6626, 18.6077, 60.5005



34.3007, 18.6077, 17.2854

Sweetspot

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



9.9454, 18.6085, 3.5581



30.6504, 39.1145, 27.1610



16.7789, 17.8481, 3.0512



6.6474, 8.6646, 5.6933



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.



9.9454, 18.6085, 3.5581



16.5767, 32.3271, 5.3661



9.9836, 18.5603, 6.6256



5.0469, 5.6469, 5.3764



8.6821, 16.8458, 2.7940



0.0663, 0.1164, 0.0190

Inverse Universe

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



12.1103, 5.9884, 24.5633



20.2596, 9.5101, 43.1510



12.9370, 6.6823, 12.5055



5.1509, 5.0862, 6.3161



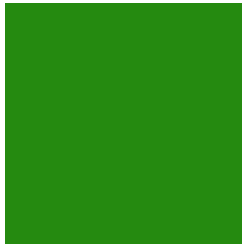
10.6092, 4.9834, 22.4484



0.0808, 0.0384, 0.1496

Previews

White Background



This preview shows how the XYZ color 9.9450, 18.6077, 3.5577 looks on a white background.

Color Contrast Check

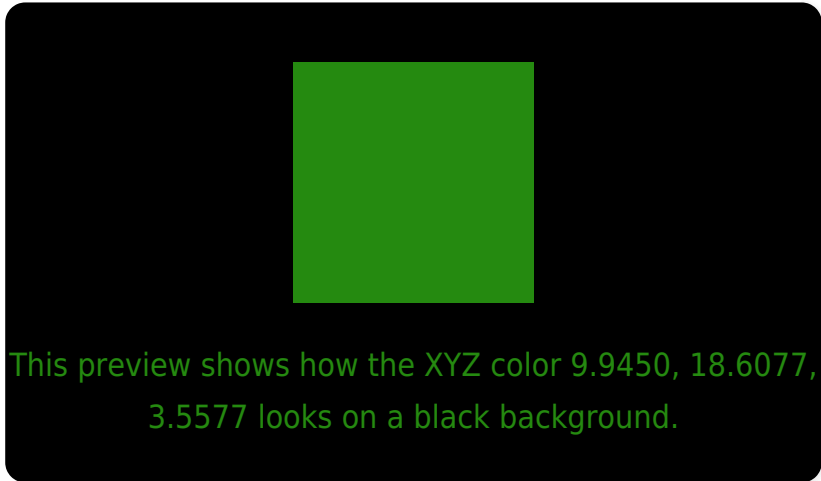
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 9.9450, 18.6077, 3.5577

Background



This preview shows how black text looks on a background with the XYZ color 9.9450, 18.6077, 3.5577.



This preview shows how white text looks on a background with the XYZ color 9.9450, 18.6077, 3.5577.

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

9.9450, 18.6077, 3.5577

Protanopia

16.4722, 18.2795, 2.8899

Deuteranopia

18.5741, 18.3096, 3.9940



Tritanopia

14.6941, 18.4957, 27.2217

Trichromacy



Original Color

9.9450, 18.6077, 3.5577

Protanomaly

12.6668, 17.5985, 3.0458

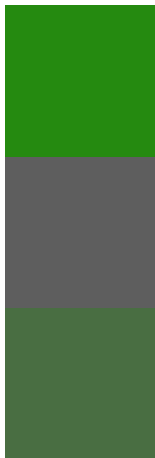
Deuteranomaly

13.3417, 17.1863, 3.6510

Tritanomaly

11.9025, 18.1514, 13.4659

Monochromacy



Original Color

9.9450, 18.6077, 3.5577

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.3070, 12.9617, 7.1656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9450, 18.6077, 3.5577 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(37, 138, 16)` looks like.

```
.text, #text, p{  
    color:rgb(37, 138, 16)  
}
```

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(37, 138, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 138, 16) }
```

Border

The CSS property to change the border of an element to XYZ 9.9450, 18.6077, 3.5577 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(37, 138, 16) }
```


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

```
.border{ border-color:rgb(37, 138, 16) }
```

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

Here you see how a box with a 4 pixel rgb(37, 138, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 138, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 138, 16);  
box-shadow:4px 4px 4px 4px rgb(37, 138,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9450, 18.6077, 3.5577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 138, 16) }
```

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

```
.background{ background-color: rgb(37, 138,  
16) }
```

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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