

Converting Colors

XYZ(9.6648, 18.4538, 3.9723)

Have a look what the booklet for
XYZ(9.6648, 18.4538, 3.9723)
contains.

XYZ(9.6648, 18.4538, 3.9723)	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(9.6648, 18.4538,
3.9723)**

Conversions

Conversions Part 1

Format	Color
Hex	198A19
RGB	25, 138, 25
RGB Percent	10%, 54%, 10%
CMY	0.9020, 0.4588, 0.9019
CMYK	0.82, 0.00, 0.82, 0.46
HSL	120°, 69%, 32%
HSV	120°, 82%, 54%
XYZ	9.6648, 18.4538, 3.9723
YIQ	91.3310, -31.0750, -59.0990

Conversions

Conversions Part 2

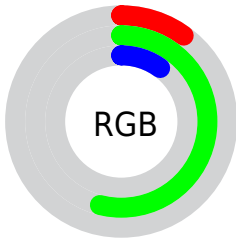
Format	Color
R_{YB}	25, 138, 138
Decimal	1673753
CIE _{Lab}	50.04, -51.29, 47.53
CIE _{LCh}	50, 69.928, 137.176
Yxy	18.4538, 0.3012, 0.5750
Android (android.graphics.Color)	4279863833 (0xFF198A19)
YUV	91.3310, -32.7012, -58.1723
Hunter-Lab	42.9579, -35.0168, 24.5880

Details

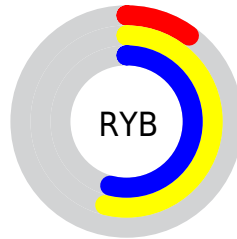
The XYZ color **9.6648, 18.4538, 3.9723** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.4163, 7.9335, 24.7614**, and the grayscale version is **10.0971, 10.6229, 11.5683**.

A 20% lighter version of the original color is **24.8949, 40.9798, 13.9949**, and **3.3278, 6.6556, 1.1093** is the 20% darker color. If you saturate the color by 10%, you get **9.2911, 18.2749, 3.3606**, and if you desaturate by 10%, it is **10.2809, 18.7503, 4.9799**.

Distribution



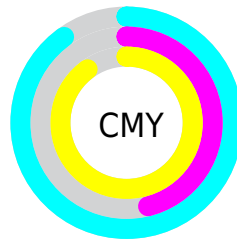
- Red (10%)
- Green (54%)
- Blue (10%)



- Red (10%)
- Yellow (54%)
- Blue (54%)



- Cyan (82%)
- Magenta (0%)
- Yellow (82%)
- Black (46%)



- Cyan (90%)
- Magenta (46%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6648, 18.4538, 3.9723 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 9.6648, 18.4538, 3.9723 by changing the saturation by 10% instead.

■ 9.6648, 18.4538,
3.9723

■ 9.6648, 18.4538,
3.9723

182.3668,
243.4166, 147.9170

■ 5.2378, 11.2763,
1.6102

■ 24.8185, 40.8091,
13.9458

■ 2.4237, 6.2530,
0.2981

■ 36.2760, 56.7556,
22.3943

■ 0.8569, 2.9995,
0.0000

■ 50.8077, 76.3940,
33.7086

■ 0.0000, 1.1315,
0.0000

■ 68.7789, 100.1085,
48.3073


■ 0.0000, 0.0046,
0.0000


■ 90.5551, 128.2837,
66.6090


■ 0.0000, 0.0000,
0.0000


■ 116.5016,


161.3038, 89.0321


 146.9837,
199.5533, 115.9953


 9.6648, 18.4538,
3.9723


 9.6648, 18.4538,
3.9723


 9.2911, 18.2749,
3.3606


 10.2809, 18.7503,
4.9799

 9.0889, 18.1777,
3.0299

 11.1696, 19.1772,
6.4335

 12.3579, 19.7480,
8.3773

 13.8694, 20.4740,
10.8497

 15.7253, 21.3655,
13.8853

■ 17.9450, 22.4318,
17.5160

■ 20.5464, 23.6814,
21.7709

■ 23.5464, 25.1224,
26.6777

■ 26.9605, 26.7624,
32.2619

Harmonies

Analogous

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



13.9928, 18.4538, 1.4181



9.6648, 18.4538, 3.9723



7.7140, 18.4538, 12.9456

Triad

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



9.6648, 18.4538, 3.9723



14.8244, 18.4538, 82.1175



33.0144, 18.4538, 11.0237

Complementary

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



9.6648, 18.4538, 3.9723



15.4163, 7.9335, 24.7614

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.



33.4032, 18.4538, 29.4805



9.6648, 18.4538, 3.9723



21.6406, 18.4538, 80.2716

Square

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



9.6648, 18.4538, 3.9723



10.1389, 18.4538, 61.3106



28.8310, 18.4538, 57.2230



27.8750, 18.4538, 3.3352

Rectangle

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



9.6648, 18.4538, 3.9723



7.5868, 18.4538, 25.0813



28.8310, 18.4538, 57.2230



33.7442, 18.4538, 15.8144

Sweetspot

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



9.6652, 18.4546, 3.9727



30.1263, 38.8160, 28.4142



19.7460, 23.6514, 4.4440



6.4924, 8.5791, 5.9401



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.



9.6652, 18.4546, 3.9727



16.0844, 32.0710, 5.4455



10.9937, 18.9860, 10.9685



4.9719, 5.6082, 5.3729



8.3329, 16.6658, 2.7779



0.0554, 0.1107, 0.0185

Inverse Universe

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



15.4163, 7.9335, 24.7614



26.5987, 12.8357, 43.4520



12.3333, 6.7003, 8.5265



5.2338, 5.1290, 6.3199



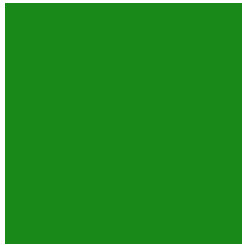
13.8152, 6.6362, 22.5950



0.0918, 0.0441, 0.1501

Previews

White Background



This preview shows how the XYZ color 9.6648, 18.4538, 3.9723 looks on a white background.

Color Contrast Check

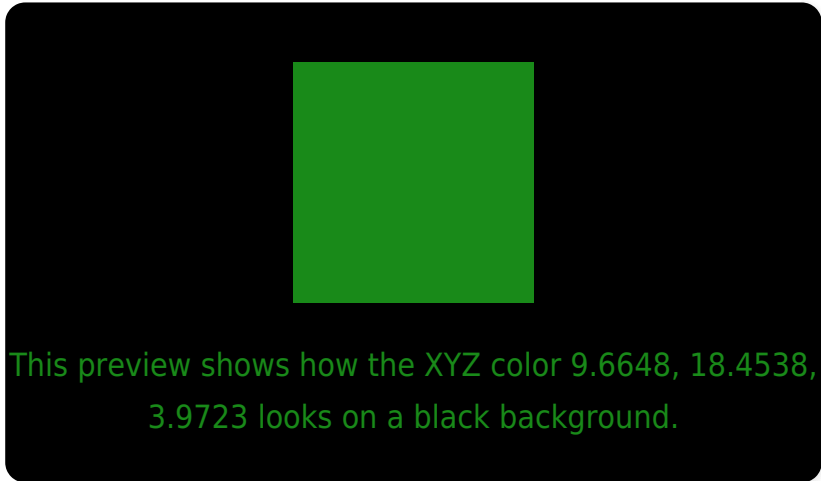
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.6648, 18.4538, 3.9723

Background



This preview shows how black text looks on a background with the XYZ color 9.6648, 18.4538, 3.9723.



This preview shows how white text looks on a background with the XYZ color 9.6648, 18.4538,

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

9.6648, 18.4538, 3.9723

Protanopia

16.3960, 18.2307, 3.3165

Deuteranopia

18.3568, 18.0242, 4.3452



Tritanopia

14.3038, 18.2945, 27.2034

Trichromacy



Original Color

9.6648, 18.4538, 3.9723



Protanomaly

12.2218, 17.3593, 3.4656



Deuteranomaly

12.7054, 16.6681, 3.9865



Tritanomaly

11.6748, 18.0127, 14.4168

Monochromacy



Original Color

9.6648, 18.4538, 3.9723



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.6904, 12.3237, 7.2309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6648, 18.4538, 3.9723 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(25, 138, 25)` looks like.

```
.text, #text, p{  
    color:rgb(25, 138, 25)  
}
```

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(25, 138, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 138, 25) }
```

Border

The CSS property to change the border of an element to XYZ 9.6648, 18.4538, 3.9723 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(25, 138, 25) }
```


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

```
.border{ border-color:rgb(25, 138, 25) }
```

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

Here you see how a box with a 4 pixel rgb(25, 138, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 138, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 138, 25);  
box-shadow:4px 4px 4px 4px rgb(25, 138,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 9.6648, 18.4538, 3.9723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 138, 25) }
```

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

```
.background{ background-color: rgb(25, 138,  
25) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor