

Converting Colors

XYZ(16.9650, 21.0083, 3.4979)

Have a look what the booklet for
XYZ(16.9650, 21.0083, 3.4979)
contains.

XYZ(16.9218, 20.9647, 3.5025)	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(16.9218, 20.9647,
3.5025)**

Conversions

Conversions Part 1

Format	Color
Hex	7E840C
RGB	126, 132, 12
RGB Percent	49%, 52%, 5%
CMY	0.5059, 0.4823, 0.9529
CMYK	0.05, 0.00, 0.91, 0.48
HSL	63°, 83%, 28%
HSV	63°, 91%, 52%
XYZ	16.9218, 20.9647, 3.5025
YIQ	116.5260, 34.9440, -38.5920

Conversions

Conversions Part 2

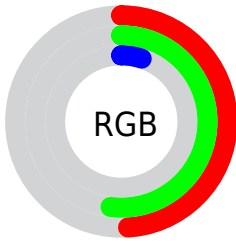
Format	Color
R_{YB}	12, 132, 18
Decimal	8291340
CIE _{Lab}	52.91, -15.75, 55.21
CIE _{LCh}	53, 57.408, 105.923
Yxy	20.9647, 0.4088, 0.5065
Android (android.graphics.Color)	4286481420 (0xFF7E840C)
YUV	116.5260, -51.5313, 8.3087
Hunter-Lab	45.7872, -14.1586, 27.5157

Details

The XYZ color **16.9218, 20.9647, 3.5025** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.5463, 2.0579, 21.9887**, and the grayscale version is **16.9092, 17.7898, 19.3730**.

A 20% lighter version of the original color is **37.8101, 45.1109, 12.8454**, and **5.8409, 7.6030, 1.1597** is the 20% darker color. If you saturate the color by 10%, you get **16.7675, 20.8936, 3.1491**, and if you desaturate by 10%, it is **17.1313, 21.0606, 4.0937**.

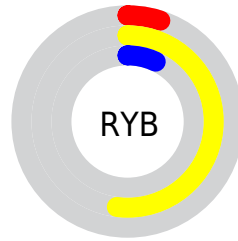
Distribution



Red (49%)

Green (52%)

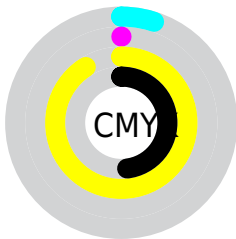
Blue (5%)



Red (5%)

Yellow (52%)

Blue (7%)

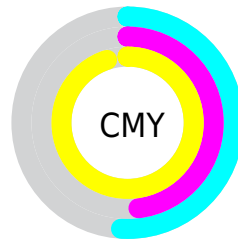


Cyan (5%)

Magenta (0%)

Yellow (91%)

Black (48%)



Cyan (51%)

Magenta (48%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9218, 20.9647, 3.5025 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 16.9218, 20.9647, 3.5025 by changing the saturation by 10% instead.

■ 16.9218, 20.9647,
3.5025

■ 16.9218, 20.9647,
3.5025

227.8864,
257.0908, 142.5238

■ 10.2737, 13.0982,
1.3566

■ 37.7359, 45.0288,
12.8451

■ 5.6445, 7.4962,
0.1075

■ 52.6327, 61.9951,
20.8788

■ 2.6687, 3.7743,
0.0000

■ 71.0097, 82.7636,
31.7123

■ 0.9811, 1.5481,
0.0000

■ 93.2324, 107.7185,
45.7640


■ 0.0000, 0.3222,
0.0000


■ 119.6660,
137.2443, 63.4524


■ 0.0000, 0.0000,
0.0000


■ 150.6760,


171.7254, 85.1962


 186.6277,
211.5461, 111.4138


 16.9218, 20.9647,
3.5025


 16.9218, 20.9647,
3.5025


 16.7675, 20.8936,
3.1491

 17.1313, 21.0606,
4.0937

 17.4084, 21.1828,
5.0396

 17.7620, 21.3357,
6.3848

 18.1993, 21.5221,
8.1670

 18.7264, 21.7445,
10.4195

■ 19.3493, 22.0053,
13.1726

■ 20.0731, 22.3066,
16.4537

■ 20.9027, 22.6502,
20.2885

■ 21.8426, 23.0381,
24.7010

Harmonies

Analogous

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



22.8707, 20.9647, 3.4240



16.9218, 20.9647, 3.5025



12.7253, 20.9647, 6.6792

Triad

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



16.9218, 20.9647, 3.5025



12.9214, 20.9647, 55.8040



33.3652, 20.9647, 31.8582

Complementary

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



16.9218, 20.9647, 3.5025



4.5463, 2.0579, 21.9887

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.



29.4322, 20.9647, 54.4478



16.9218, 20.9647, 3.5025



17.2461, 20.9647, 72.3139

Square

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



16.9218, 20.9647, 3.5025



10.7530, 20.9647, 33.1610



23.2670, 20.9647, 71.7207



33.2295, 20.9647, 14.8996

Rectangle

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



16.9218, 20.9647, 3.5025



11.1298, 20.9647, 11.8139



23.2670, 20.9647, 71.7207



32.4456, 20.9647, 39.1621

Sweetspot

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



16.9223, 20.9657, 3.5029



34.4825, 38.9271, 25.0048



9.7991, 5.3652, 0.8672



7.9469, 9.0291, 5.4556



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.9223, 20.9657, 3.5029



29.4962, 36.7822, 5.5451



10.5653, 17.6885, 3.2054



5.0173, 5.4115, 5.0094



16.2355, 20.2297, 3.0490



0.0580, 0.0710, 0.0106

Inverse Universe

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



4.5463, 2.0579, 21.9887



7.4434, 2.9897, 38.6379



7.4390, 3.5491, 22.1241



4.4544, 4.5549, 5.8452



4.1141, 1.6550, 21.2393



0.0156, 0.0064, 0.0736

Previews

White Background



This preview shows how the XYZ color 16.9218, 20.9647, 3.5025 looks on a white background.

Color Contrast Check

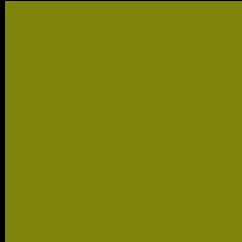
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9218, 20.9647, 3.5025 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 16.9218, 20.9647, 3.5025

Background



This preview shows how black text looks on a background with the XYZ color 16.9218, 20.9647, 3.5025.



This preview shows how white text looks on a background with the XYZ color 16.9218, 20.9647,

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

16.9218, 20.9647, 3.5025

Protanopia

18.7940, 20.9492, 3.3115

Deuteranopia

21.1794, 20.8698, 3.7762



Tritanopia

21.2395, 20.9828, 24.7604

Trichromacy



Original Color

16.9218, 20.9647, 3.5025

Protanomaly

18.0584, 20.9567, 3.3804

Deuteranomaly

19.3665, 20.6689, 3.6306

Tritanomaly

18.7380, 20.5318, 12.2080

Monochromacy



Original Color

16.9218, 20.9647, 3.5025

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.1165, 18.4767, 10.1141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9218, 20.9647, 3.5025 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(126, 132, 12)` looks like.

```
.text, #text, p{  
    color:rgb(126, 132, 12)  
}
```

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(126, 132, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 132, 12) }
```

Border

The CSS property to change the border of an element to XYZ 16.9218, 20.9647, 3.5025 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(126, 132, 12) }
```


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

```
.border{ border-color:rgb(126, 132, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 132, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 132, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 132, 12);  
box-shadow:4px 4px 4px 4px rgb(126, 132,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9218, 20.9647, 3.5025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 132, 12) }
```

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

```
.background{ background-color: rgb(126,  
132, 12) }
```

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