

Converting Colors

XYZ(16.7836, 21.9450, 7.1838)

Have a look what the booklet for
XYZ(16.7836, 21.9450, 7.1838)
contains.

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Color

**XYZ(16.7544, 21.8316,
7.2018)**

Conversions

Conversions Part 1

Format	Color
Hex	738939
RGB	115, 137, 57
RGB Percent	45%, 54%, 22%
CMY	0.5490, 0.4627, 0.7765
CMYK	0.16, 0.00, 0.58, 0.46
HSL	77°, 41%, 38%
HSV	77°, 58%, 54%
XYZ	16.7544, 21.8316, 7.2018
YIQ	121.3020, 12.5680, -29.5440

Conversions

Conversions Part 2

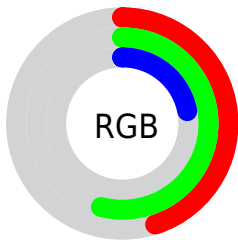
Format	Color
RYB	57, 137, 79
Decimal	7571769
CIELab	53.85, -20.72, 39.54
CIELCh	54, 44.643, 117.652
Yxy	21.8316, 0.3659, 0.4768
Android (android.graphics.Color)	4285761849 (0xFF738939)
YUV	121.3020, -31.7009, -5.5269
Hunter-Lab	46.7243, -17.7610, 23.5684

Details

The XYZ color **16.7544, 21.8316, 7.2018** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.2039, 6.3953, 24.4176**, and the grayscale version is **18.3689, 19.3255, 21.0455**.

A 20% lighter version of the original color is **37.4295, 46.3235, 20.8785**, and **5.5445, 7.9151, 1.3504** is the 20% darker color. If you saturate the color by 10%, you get **15.9725, 21.4635, 5.6157**, and if you desaturate by 10%, it is **17.6499, 22.2490, 9.2756**.

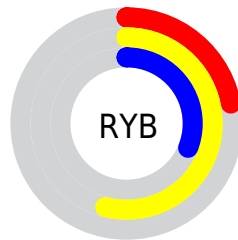
Distribution



Red (45%)

Green (54%)

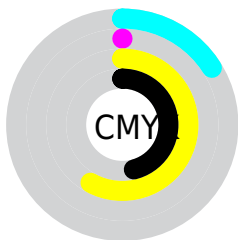
Blue (22%)



Red (22%)

Yellow (54%)

Blue (31%)

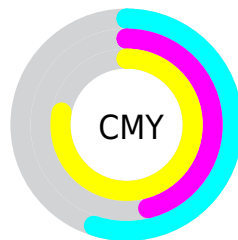


Cyan (16%)

Magenta (0%)

Yellow (58%)

Black (46%)



Cyan (55%)

Magenta (46%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7544, 21.8316, 7.2018 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 16.7544, 21.8316, 7.2018 by changing the saturation by 10% instead.

■ 16.7544, 21.8316,
7.2018

■ 16.7544, 21.8316,
7.2018

■ 226.9370,
261.6656, 179.0242

■ 10.1538, 13.7332,
3.5083

■ 37.4500, 46.4675,
20.8978

■ 5.5641, 7.9353,
1.3597

■ 52.2756, 63.7738,
31.7373

■ 2.6200, 4.0536,
0.1099

■ 70.5737, 84.9182,
45.7959

■ 0.9562, 1.7036,
0.0000

■ 92.7094, 110.2851,
63.4922

■ 0.0000, 0.4260,
0.0000

■ 119.0483,
140.2589, 85.2446

■ 0.0000, 0.0000,
0.0000

■ 149.9556,

175.2240, 111.4717

185.7967,
215.5648, 142.5921

■ 16.7544, 21.8316,
7.2018

■ 16.7544, 21.8316,
7.2018

■ 15.9725, 21.4635,
5.6157

■ 17.6499, 22.2490,
9.2756

■ 15.2947, 21.1386,
4.4759

■ 18.6644, 22.7156,
11.8714

■ 14.7125, 20.8543,
3.7362

■ 19.8048, 23.2349,
15.0219

■ 14.2056, 20.6023,
3.2911

■ 21.0769, 23.8094,
18.7569

■ 14.1269, 20.5631,
3.2245

■ 22.4863, 24.4412,
23.1039

■ 24.0380, 25.1324,
28.0887

■ 25.7369, 25.8850,
33.7357

■ 27.5875, 26.7008,
40.0680

■ 29.5943, 27.5816,
47.1075

Harmonies

Analogous

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



21.1308, 21.8316, 5.9326



16.7544, 21.8316, 7.2018



13.8882, 21.8316, 12.2460

Triad

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



16.7544, 21.8316, 7.2018



16.1927, 21.8316, 53.8289



31.4072, 21.8316, 24.8707

Complementary

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



16.7544, 21.8316, 7.2018



9.2039, 6.3953, 24.4176

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.



29.5662, 21.8316, 40.9072



16.7544, 21.8316, 7.2018



20.3743, 21.8316, 61.1764

Square

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



16.7544, 21.8316, 7.2018



13.6008, 21.8316, 38.2716



25.3358, 21.8316, 55.7186



30.0477, 21.8316, 13.4918

Rectangle

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



16.7544, 21.8316, 7.2018



12.9762, 21.8316, 18.5537



25.3358, 21.8316, 55.7186



31.1367, 21.8316, 29.8845

Sweetspot

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



16.7549, 21.8326, 7.2023



37.7419, 42.6355, 33.5855



13.8040, 11.1108, 5.2883



8.3293, 9.5017, 7.1258



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.



16.7549, 21.8326, 7.2023



28.2002, 38.2435, 9.3303



12.6390, 19.7108, 7.0096



5.2992, 5.7770, 5.3882



13.1703, 19.1595, 3.0040



0.1016, 0.1346, 0.0206

Inverse Universe

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



9.2039, 6.3953, 24.4176



13.4012, 7.9018, 43.2020



13.4959, 8.6079, 24.6184



4.8954, 4.9545, 6.3041



4.9502, 2.0660, 22.1836



0.0455, 0.0202, 0.1480

Previews

White Background



This preview shows how the XYZ color 16.7544, 21.8316, 7.2018 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 16.7544, 21.8316, 7.2018 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 16.7544, 21.8316, 7.2018

Background



This preview shows how black text looks on a background with the XYZ color 16.7544, 21.8316, 7.2018.



This preview shows how white text looks on a background with the XYZ color 16.7544, 21.8316,

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

16.7544, 21.8316, 7.2018

Protanopia

19.8438, 21.8065, 6.6532

Deuteranopia

21.9024, 21.5251, 7.4153



Tritanopia

20.9679, 21.9246, 27.5528

Trichromacy



Original Color

16.7544, 21.8316, 7.2018

Protanomaly

18.6137, 21.7649, 6.8344

Deuteranomaly

19.5603, 21.2558, 7.3468

Tritanomaly

18.8967, 21.6716, 17.6551

Monochromacy



Original Color

16.7544, 21.8316, 7.2018

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.4017, 19.9825, 14.4951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7544, 21.8316, 7.2018 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(115, 137, 57)` looks like.

```
.text, #text, p{  
    color:rgb(115, 137, 57)  
}
```

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(115, 137, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 137, 57) }
```

Border

The CSS property to change the border of an element to XYZ 16.7544, 21.8316, 7.2018 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(115, 137, 57) }
```


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

```
.border{ border-color:rgb(115, 137, 57) }
```

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

Here you see how a box with a 4 pixel rgb(115, 137, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 137, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 137, 57);  
box-shadow:4px 4px 4px 4px rgb(115, 137,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7544, 21.8316, 7.2018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 137, 57) }
```

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

```
.background{ background-color: rgb(115,  
137, 57) }
```

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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