

Converting Colors

XYZ(13.7448, 18.5874, 3.7649)

Have a look what the booklet for
XYZ(13.7448, 18.5874, 3.7649)
contains.

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Color

**XYZ(13.7203, 18.5118,
3.7697)**

Conversions

Conversions Part 1

Format	Color
Hex	698019
RGB	105, 128, 25
RGB Percent	41%, 50%, 10%
CMY	0.5882, 0.4980, 0.9019
CMYK	0.18, 0.00, 0.80, 0.50
HSL	73°, 67%, 30%
HSV	73°, 80%, 50%
XYZ	13.7203, 18.5118, 3.7697
YIQ	109.3810, 19.3550, -36.9090

Conversions

Conversions Part 2

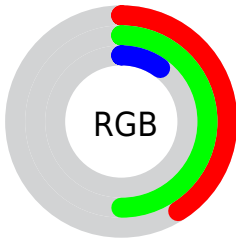
Format	Color
R _Y B	25, 128, 48
Decimal	6914073
CIE Lab	50.11, -22.67, 48.80
CIE LCh	50, 53.810, 114.921
Yxy	18.5118, 0.3811, 0.5142
Android (android.graphics.Color)	4285104153 (0xFF698019)
YUV	109.3810, -41.5998, -3.8421
Hunter-Lab	43.0253, -18.3727, 24.9230

Details

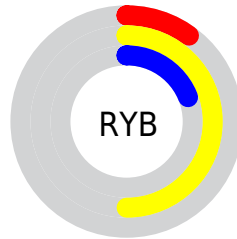
The XYZ color **13.7203, 18.5118, 3.7697** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.4636, 2.8826, 20.6917**, and the grayscale version is **14.7556, 15.5240, 16.9056**.

A 20% lighter version of the original color is **32.1971, 40.9687, 13.4185**, and **4.3173, 6.3762, 1.0032** is the 20% darker color. If you saturate the color by 10%, you get **13.2826, 18.2993, 3.1864**, and if you desaturate by 10%, it is **14.2334, 18.7572, 4.6876**.

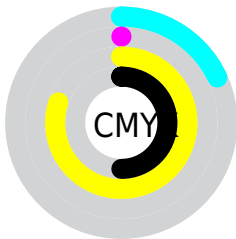
Distribution



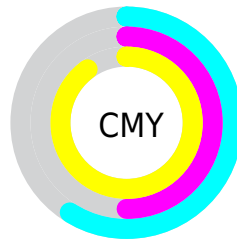
- Red (41%)
- Green (50%)
- Blue (10%)



- Red (10%)
- Yellow (50%)
- Blue (19%)



- Cyan (18%)
- Magenta (0%)
- Yellow (80%)
- Black (50%)



- Cyan (59%)
- Magenta (50%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7203, 18.5118, 3.7697 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 13.7203, 18.5118, 3.7697 by changing the saturation by 10% instead.

■ 13.7203, 18.5118,
3.7697

■ 13.7203, 18.5118,
3.7697

209.0294,
243.7402, 145.6301

■ 8.0068, 11.3181,
1.4999

■ 32.1823, 40.9075,
13.4750

■ 4.1511, 6.2812,
0.2178

■ 45.6616, 56.8783,
21.7476

■ 1.7880, 3.0168,
0.0000

■ 62.4601, 76.5435,
32.8582

■ 0.5104, 1.1405,
0.0000

■ 82.9433, 100.2875,
47.2254

■ 0.0000, 0.0123,
0.0000

■ 107.4764,
128.4948, 65.2676

■ 0.0000, 0.0000,
0.0000

■ 136.4249,

161.5498, 87.4034

170.1541,
199.8368, 114.0514

13.7203, 18.5118,
3.7697

13.7203, 18.5118,
3.7697

13.2826, 18.2993,
3.1864

14.2334, 18.7572,
4.6876

12.9106, 18.1153,
2.8161

14.8285, 19.0359,
5.9793

15.5126, 19.3517,
7.6799

16.2917, 19.7068,
9.8202

17.1711, 20.1033,
12.4279

■ 18.1559, 20.5434,
15.5285

■ 19.2506, 21.0288,
19.1456

■ 20.4595, 21.5613,
23.3015

■ 21.7867, 22.1425,
28.0169

Harmonies

Analogous

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



18.4922, 18.5118, 2.9969



13.7203, 18.5118, 3.7697



10.6335, 18.5118, 7.7990

Triad

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



13.7203, 18.5118, 3.7697



12.4657, 18.5118, 53.7044



29.5078, 18.5118, 22.7907

Complementary

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



13.7203, 18.5118, 3.7697



5.4636, 2.8826, 20.6917

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.



27.0773, 18.5118, 41.4156



13.7203, 18.5118, 3.7697



16.7271, 18.5118, 64.0564

Square

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



13.7203, 18.5118, 3.7697



10.0151, 18.5118, 34.7357



22.1379, 18.5118, 58.7097



28.2707, 18.5118, 10.3619

Rectangle

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



13.7203, 18.5118, 3.7697



9.6188, 18.5118, 13.6045



22.1379, 18.5118, 58.7097



29.0806, 18.5118, 28.5321

Sweetspot

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



13.7207, 18.5126, 3.7701



31.2331, 35.8418, 25.0005



10.1075, 6.7184, 1.6840



7.1904, 8.3369, 5.4701



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.7207, 18.5126, 3.7701



22.7997, 31.9258, 5.1034



9.4265, 16.2989, 3.5691



4.5744, 4.9725, 4.6388



12.8023, 17.9622, 2.7923



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.4636, 2.8826, 20.6917



7.8237, 3.3209, 36.1849



9.3702, 4.8966, 20.8745



4.1918, 4.2545, 5.4135



4.3555, 1.7990, 20.3676



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.7203, 18.5118, 3.7697 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 13.7203, 18.5118, 3.7697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

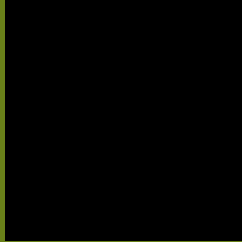
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7203, 18.5118, 3.7697

Background



This preview shows how black text looks on a background with the XYZ color 13.7203, 18.5118, 3.7697.



This preview shows how white text looks on a background with the XYZ color 13.7203, 18.5118,

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

13.7203, 18.5118, 3.7697

Protanopia

16.5830, 18.3238, 3.4734

Deuteranopia

18.5741, 18.3096, 3.9940



Tritanopia

17.6295, 18.4235, 23.3958

Trichromacy



Original Color

13.7203, 18.5118, 3.7697

Protanomaly

15.2928, 18.1960, 3.5703

Deuteranomaly

16.3856, 18.0371, 3.8462

Tritanomaly

15.4034, 18.0539, 12.5704

Monochromacy



Original Color

13.7203, 18.5118, 3.7697

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.8049, 16.2290, 9.6126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7203, 18.5118, 3.7697 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(105, 128, 25)` looks like.

```
.text, #text, p{  
    color:rgb(105, 128, 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(105, 128, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 128, 25) }
```

Border

The CSS property to change the border of an element to XYZ 13.7203, 18.5118, 3.7697 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(105, 128, 25) }
```


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

```
.border{ border-color:rgb(105, 128, 25) }
```

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

Here you see how a box with a 4 pixel rgb(105, 128, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 128, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 128, 25);  
box-shadow:4px 4px 4px 4px rgb(105, 128,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7203, 18.5118, 3.7697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 128, 25) }
```

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

```
.background{ background-color: rgb(105,  
128, 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](#).

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