

Converting Colors

XYZ(11.8796, 14.7566, 2.3188)

Have a look what the booklet for
XYZ(11.8796, 14.7566, 2.3188)
contains.

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Color

**XYZ(11.8740, 14.7207,
2.3017)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7003
RGB	107, 112, 3
RGB Percent	42%, 44%, 1%
CMY	0.5804, 0.5608, 0.9882
CMYK	0.04, 0.00, 0.97, 0.56
HSL	63°, 95%, 23%
HSV	63°, 97%, 44%
XYZ	11.8740, 14.7207, 2.3017
YIQ	98.0790, 32.0090, -34.9590

Conversions

Conversions Part 2

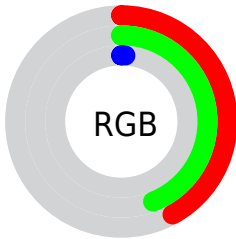
Format	Color
RYB	3, 112, 8
Decimal	7041027
CIELab	45.25, -14.05, 50.30
CIELCh	45, 52.228, 105.610
Yxy	14.7207, 0.4109, 0.5094
Android (android.graphics.Color)	4285231107 (0xFF6B7003)
YUV	98.0790, -46.8739, 7.8237
Hunter-Lab	38.3676, -11.9010, 23.3004

Details

The XYZ color **11.8740, 14.7207, 2.3017** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.0577, 1.2869, 15.4174**, and the grayscale version is **11.7371, 12.3484, 13.4474**.

A 20% lighter version of the original color is **28.8706, 34.4869, 9.8376**, and **3.4643, 4.5075, 0.6875** is the 20% darker color. If you saturate the color by 10%, you get **11.8413, 14.7062, 2.2145**, and if you desaturate by 10%, it is **12.0005, 14.7790, 2.6430**.

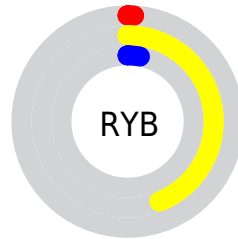
Distribution



Red (42%)

Green (44%)

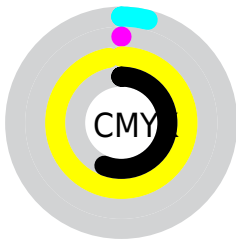
Blue (1%)



Red (1%)

Yellow (44%)

Blue (3%)

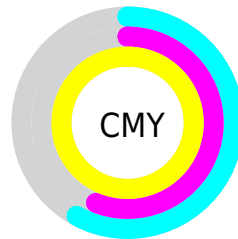


Cyan (4%)

Magenta (0%)

Yellow (97%)

Black (56%)



Cyan (58%)

Magenta (56%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8740, 14.7207, 2.3017 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 11.8740, 14.7207, 2.3017 by changing the saturation by 10% instead.

■ 11.8740, 14.7207,
2.3017

■ 11.8740, 14.7207,
2.3017

197.3563,
221.6694, 126.8985

■ 6.7295, 8.6236,
0.7322

■ 28.8843, 34.3625,
9.8503

■ 3.3383, 4.4965,
0.0000

■ 41.4808, 48.6759,
16.6846

■ 1.3351, 1.9550,
0.0000

■ 57.2920, 66.4969,
26.1170

■ 0.2093, 0.5811,
0.0000

■ 76.6833, 88.2099,
38.5660


■ 0.0000, 0.0000,
0.0000


■ 100.0200,
114.1993, 54.4500


■ 127.6675,


144.8494, 74.1878


 159.9912,
180.5446, 98.1978


 11.8740, 14.7207,
2.3017


 11.8740, 14.7207,
2.3017


 11.8413, 14.7062,
2.2145

 12.0005, 14.7790,
2.6430

 12.1621, 14.8509,
3.1684

 12.3728, 14.9424,
3.9502

 12.6376, 15.0556,
5.0155

 12.9612, 15.1924,
6.3881

■ 13.3475, 15.3543,
8.0891

■ 13.8002, 15.5428,
10.1379

■ 14.3228, 15.7593,
12.5523

■ 14.9182, 16.0050,
15.3490

Harmonies

Analogous

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



16.1585, 14.7207, 2.2660



11.8740, 14.7207, 2.3017



8.8570, 14.7207, 4.4840

Triad

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



11.8740, 14.7207, 2.3017



8.9495, 14.7207, 39.7361



23.6747, 14.7207, 22.6950

Complementary

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



11.8740, 14.7207, 2.3017



3.0577, 1.2869, 15.4174

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.



20.8038, 14.7207, 39.0843



11.8740, 14.7207, 2.3017



12.0276, 14.7207, 51.8615

Square

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



11.8740, 14.7207, 2.3017



7.4210, 14.7207, 23.3169



16.3471, 14.7207, 51.5755



23.6098, 14.7207, 10.4430

Rectangle

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



11.8740, 14.7207, 2.3017



7.7096, 14.7207, 8.0768



16.3471, 14.7207, 51.5755



22.9988, 14.7207, 27.9913

Sweetspot

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



11.8743, 14.7214, 2.3020



24.0368, 27.2179, 16.8710



6.7710, 3.5957, 0.4235



5.7100, 6.5120, 3.7596



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



11.8743, 14.7214, 2.3020



20.7727, 25.8192, 3.8888



7.3254, 12.3763, 2.0891



3.6275, 3.9088, 3.6366



13.6833, 16.9977, 2.5597



67.9584, 84.5679, 12.7414

Inverse Universe

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



3.0577, 1.2869, 15.4174



5.2214, 2.0982, 27.0596



4.8904, 2.2317, 15.5031



3.2305, 3.3071, 4.2223



3.4499, 1.3879, 17.8077



16.9853, 6.8106, 88.6985

Previews

White Background



This preview shows how the XYZ color 11.8740, 14.7207, 2.3017 looks on a white 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

Black Background



This preview shows how the XYZ color 11.8740, 14.7207, 2.3017 looks on a black 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

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

XYZ 11.8740, 14.7207, 2.3017

Background



This preview shows how black text looks on a background with the XYZ color 11.8740, 14.7207, 2.3017.

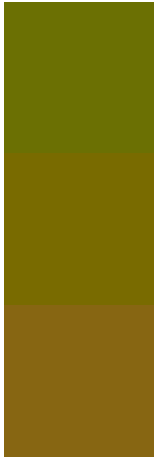


This preview shows how white text looks on a background with the XYZ color 11.8740, 14.7207,

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

11.8740, 14.7207, 2.3017

Protanopia

13.1429, 14.5803, 2.1216

Deuteranopia

14.8522, 14.6973, 2.6263



Tritanopia

14.9452, 14.7153, 17.3819

Trichromacy



Original Color

11.8740, 14.7207, 2.3017

Protanomaly

12.6766, 14.6525, 2.1888

Deuteranomaly

13.6841, 14.6971, 2.4964

Tritanomaly

13.1095, 14.4280, 8.2248

Monochromacy



Original Color

11.8740, 14.7207, 2.3017

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.1143, 12.8261, 6.5925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8740, 14.7207, 2.3017 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(107, 112, 3)` looks like.

```
.text, #text, p{  
    color:rgb(107, 112, 3)  
}
```

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(107, 112, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 112, 3) }
```

Border

The CSS property to change the border of an element to XYZ 11.8740, 14.7207, 2.3017 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(107, 112, 3) }
```


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

```
.border{ border-color:rgb(107, 112, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 112, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 112, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 112, 3);  
box-shadow:4px 4px 4px 4px rgb(107, 112,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8740, 14.7207, 2.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 112, 3) }
```

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

```
.background{ background-color: rgb(107,  
112, 3) }
```

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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