

Converting Colors

XYZ(10.5007, 11.9557, 1.8421)

Have a look what the booklet for
XYZ(10.5007, 11.9557, 1.8421)
contains.

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Color

**XYZ(10.4475, 11.8677,
1.8262)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6203
RGB	107, 98, 3
RGB Percent	42%, 38%, 1%
CMY	0.5804, 0.6157, 0.9882
CMYK	0.00, 0.08, 0.97, 0.58
HSL	55°, 95%, 22%
HSV	55°, 97%, 42%
XYZ	10.4475, 11.8677, 1.8262
YIQ	89.8610, 35.8590, -27.6370

Conversions

Conversions Part 2

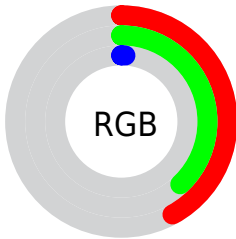
Format	Color
R_{YB}	13, 107, 3
Decimal	7037443
CIE _{Lab}	41.01, -6.20, 47.09
CIE _{LCh}	41, 47.496, 97.500
Yxy	11.8677, 0.4328, 0.4916
Android (android.graphics.Color)	4285227523 (0xFF6B6203)
YUV	89.8610, -42.8225, 15.0309
Hunter-Lab	34.4495, -6.1530, 20.9717

Details

The XYZ color **10.4475, 11.8677, 1.8262** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.8229, 1.3439, 14.0204**, and the grayscale version is **9.7747, 10.2837, 11.1990**.

A 20% lighter version of the original color is **26.3058, 29.1874, 8.5222**, and **2.8589, 3.2967, 0.4857** is the 20% darker color. If you saturate the color by 10%, you get **10.4070, 11.8131, 1.7316**, and if you desaturate by 10%, it is **10.5957, 12.0668, 2.1757**.

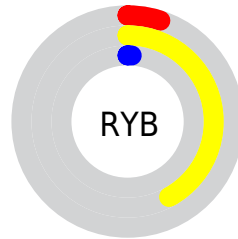
Distribution



Red (42%)

Green (38%)

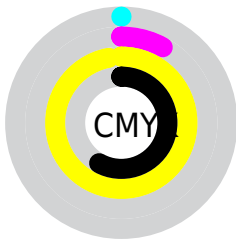
Blue (1%)



Red (5%)

Yellow (42%)

Blue (1%)

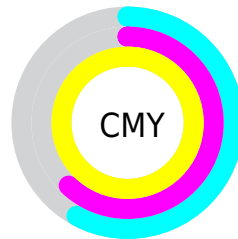


Cyan (0%)

Magenta (8%)

Yellow (97%)

Black (58%)



Cyan (58%)

Magenta (62%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4475, 11.8677, 1.8262 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 10.4475, 11.8677, 1.8262 by changing the saturation by 10% instead.

10.4475, 11.8677,
1.8262

10.4475, 11.8677,
1.8262

187.8245,
203.5275, 119.6169

5.7612, 6.6537,
0.4452

26.2760, 29.2539,
8.5600

2.7397, 3.2465,
0.0000

38.1489, 42.1949,
14.8373

1.0176, 1.2617,
0.0000

53.1480, 58.4803,
23.6131

0.0000, 0.1113,
0.0000


71.6387, 78.4945,
35.3058


0.0000, 0.0000,
0.0000


93.9863, 102.6219,
50.3340


120.5562,


131.2470, 69.1162


 151.7138,
164.7540, 92.0710


 10.4475, 11.8677,
1.8262


 10.4475, 11.8677,
1.8262


 10.4070, 11.8131,
1.7316

 10.5957, 12.0668,
2.1757

 10.7757, 12.2798,
2.6887

 11.0006, 12.5124,
3.4336

 11.2751, 12.7665,
4.4345

 11.6032, 13.0435,
5.7125

■ 11.9884, 13.3451,
7.2865

■ 12.4341, 13.6725,
9.1735

■ 12.9432, 14.0269,
11.3897

■ 13.5186, 14.4095,
13.9497

Harmonies

Analogous

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



13.9729, 11.8677, 2.1916



10.4475, 11.8677, 1.8262



7.7481, 11.8677, 3.0294

Triad

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



10.4475, 11.8677, 1.8262



6.8455, 11.8677, 28.0099



18.4667, 11.8677, 21.4986

Complementary

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



10.4475, 11.8677, 1.8262



2.8229, 1.3439, 14.0204

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.



15.7488, 11.8677, 34.2106



10.4475, 11.8677, 1.8262



8.9572, 11.8677, 39.1065

Square

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



10.4475, 11.8677, 1.8262



5.9581, 11.8677, 15.5244



12.1554, 11.8677, 41.8152



19.0874, 11.8677, 10.6278

Rectangle

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



10.4475, 11.8677, 1.8262



6.6136, 11.8677, 5.2436



12.1554, 11.8677, 41.8152



17.7449, 11.8677, 25.8273

Sweetspot

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



10.4478, 11.8683, 1.8264



22.0448, 24.3242, 15.4828



6.1712, 3.2211, 0.6911



5.2720, 5.8409, 3.4769



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.4478, 11.8683, 1.8264



18.5918, 21.0660, 3.0863



7.4808, 11.6595, 1.9425



3.3119, 3.5410, 3.3264



12.6501, 14.3499, 2.1031



64.1407, 72.4850, 10.6104

Inverse Universe

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



2.8229, 1.3439, 14.0204



4.8852, 2.1670, 25.0685



3.7512, 1.6757, 14.0355



2.9675, 3.0634, 3.8698



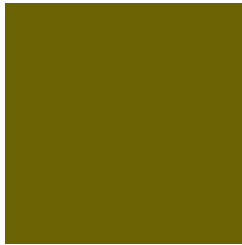
3.3387, 1.5117, 17.0381



16.7224, 7.1233, 86.7198

Previews

White Background



This preview shows how the XYZ color 10.4475, 11.8677, 1.8262 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 10.4475, 11.8677, 1.8262 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 10.4475, 11.8677, 1.8262

Background



This preview shows how black text looks on a background with the XYZ color 10.4475, 11.8677, 1.8262.

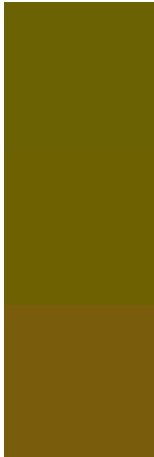


This preview shows how white text looks on a background with the XYZ color 10.4475, 11.8677,

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

10.4475, 11.8677, 1.8262

Protanopia

10.5868, 11.8028, 1.7489

Deuteranopia

11.9258, 11.8209, 2.0339



Tritanopia

12.7557, 11.8747, 13.1750

Trichromacy



Original Color

10.4475, 11.8677, 1.8262

Protanomaly

10.4700, 11.7419, 1.7720

Deuteranomaly

11.3881, 11.8070, 1.9372

Tritanomaly

11.4555, 11.7438, 6.3656

Monochromacy



Original Color

10.4475, 11.8677, 1.8262

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.5019, 10.6210, 5.5522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4475, 11.8677, 1.8262 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, 98, 3)` looks like.

```
.text, #text, p{  
    color:rgb(107, 98, 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, 98, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 98, 3) }
```

Border

The CSS property to change the border of an element to XYZ 10.4475, 11.8677, 1.8262 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, 98, 3) }
```


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

```
.border{ border-color:rgb(107, 98, 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, 98, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 98, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 98, 3);  
box-shadow:4px 4px 4px 4px rgb(107, 98, 3)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.4475, 11.8677, 1.8262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 98, 3) }
```

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

```
.background{ background-color: rgb(107, 98,  
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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