

Converting Colors

XYZ(9.0001, 13.7397, 1.2221)

Have a look what the booklet for
XYZ(9.0001, 13.7397, 1.2221)
contains.

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Color

**XYZ(9.1913, 13.8392,
2.1868)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7300
RGB	77, 115, 0
RGB Percent	30%, 45%, 0%
CMY	0.6980, 0.5490, 1.0000
CMYK	0.33, 0.00, 1.00, 0.55
HSL	80°, 100%, 23%
HSV	80°, 100%, 45%
XYZ	9.1913, 13.8392, 2.1868
YIQ	90.5280, 14.2670, -43.8210

Conversions

Conversions Part 2

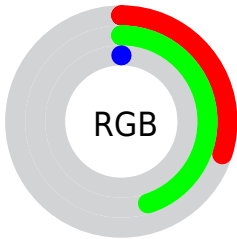
Format	Color
RYB	0, 115, 38
Decimal	5075712
CIELab	44.00, -29.13, 49.09
CIELCh	44, 57.078, 120.684
Yxy	13.8392, 0.3645, 0.5488
Android (android.graphics.Color)	4283265792 (0xFF4D7300)
YUV	90.5280, -44.6303, -11.8641
Hunter-Lab	37.2011, -20.9997, 22.5555

Details

The XYZ color **9.1913, 13.8392, 2.1868** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.8944, 1.6502, 16.3337**, and the grayscale version is **9.9329, 10.4502, 11.3803**.

A 20% lighter version of the original color is **23.8669, 32.7202, 9.4726**, and **2.3491, 4.1031, 0.6682** is the 20% darker color. If you saturate the color by 10%, you get **9.1914, 13.8397, 2.1869**, and if you desaturate by 10%, it is **9.5707, 14.0279, 2.5355**.

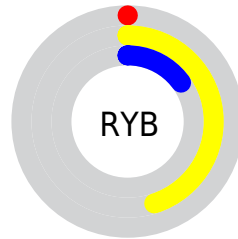
Distribution



Red (30%)

Green (45%)

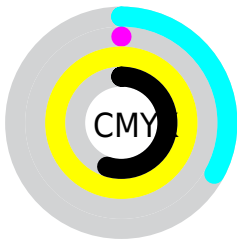
Blue (0%)



Red (0%)

Yellow (45%)

Blue (15%)

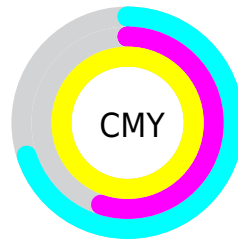


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (70%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.1913, 13.8392, 2.1868 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 9.1913, 13.8392, 2.1868 by changing the saturation by 10% instead.

■ 9.1913, 13.8392,
2.1868

■ 9.1913, 13.8392,
2.1868

178.9756,
216.2282, 125.2131

■ 4.9243, 8.0089,
0.6667

■ 23.9266, 32.8034,
9.5455

■ 2.2372, 4.1007,
0.0000

■ 35.1256, 46.7062,
16.2507

■ 0.7622, 1.7300,
0.0000

■ 49.3659, 64.0685,
25.5313

■ 0.0000, 0.4430,
0.0000

■ 67.0130, 85.2749,
37.8058


■ 0.0000, 0.0000,
0.0000


■ 88.4322, 110.7096,
53.4926


■ 113.9888,


140.7572, 73.0105


 144.0481,
175.8019, 96.7778


 9.1913, 13.8392,
2.1868


 9.1913, 13.8392,
2.1868


 9.1914, 13.8397,
2.1869

 9.5707, 14.0279,
2.5355

 9.9959, 14.2366,
3.0321

 10.4897, 14.4748,
3.7931

 11.0581, 14.7451,
4.8488

 11.7064, 15.0494,
6.2255

■ 12.4392, 15.3899,
7.9465

■ 13.2608, 15.7681,
10.0329

■ 14.1752, 16.1858,
12.5043

■ 15.1861, 16.6443,
15.3786

Harmonies

Analogous

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



13.0501, 13.8392, 1.3576



9.1913, 13.8392, 2.1868



6.9277, 13.8392, 5.8584

Triad

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



9.1913, 13.8392, 2.1868



9.3338, 13.8392, 48.9558



23.9251, 13.8392, 14.7728

Complementary

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



9.1913, 13.8392, 2.1868



3.8944, 1.6502, 16.3337

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.



22.3023, 13.8392, 30.8768



9.1913, 13.8392, 2.1868



13.2580, 13.8392, 56.2980

Square

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



9.1913, 13.8392, 2.1868



6.9957, 13.8392, 31.7161



18.1172, 13.8392, 48.3057



22.1548, 13.8392, 5.5880

Rectangle

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



9.1913, 13.8392, 2.1868



6.2955, 13.8392, 11.3808



18.1172, 13.8392, 48.3057



23.7553, 13.8392, 19.4775

Sweetspot

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



9.1916, 13.8398, 2.1871



23.6222, 28.1783, 17.6436



7.7143, 4.9325, 0.5457



5.5147, 6.6669, 3.8975



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



9.1916, 13.8398, 2.1871



16.3151, 24.7078, 3.9092



6.4422, 12.4224, 2.0584



3.8547, 4.2085, 3.9515



10.4841, 15.8091, 2.4989



50.1578, 76.5590, 12.1338

Inverse Universe

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



3.8944, 1.6502, 16.3337



6.8429, 2.8875, 29.2412



7.7026, 3.6135, 16.5119



3.6041, 3.6432, 4.6035



4.4303, 1.8752, 18.6710



20.7703, 8.7160, 90.9479

Previews

White Background



This preview shows how the XYZ color 9.1913, 13.8392, 2.1868 looks on a white background.

Color Contrast Check

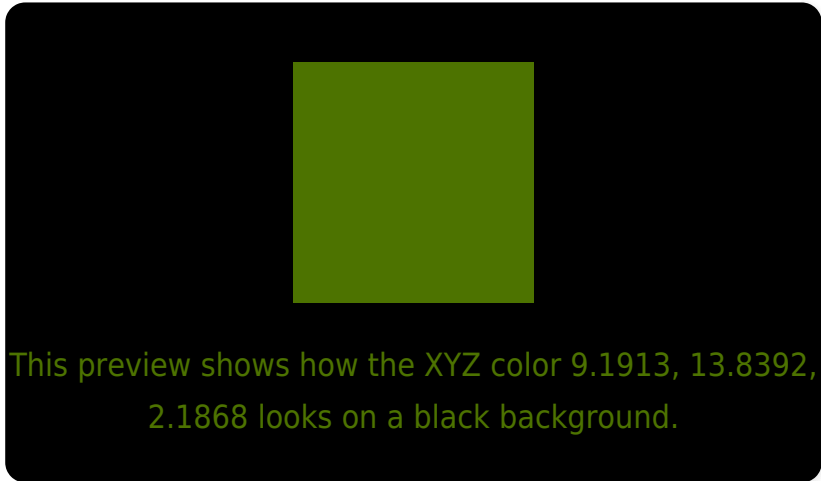
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 9.1913, 13.8392, 2.1868

Background



This preview shows how black text looks on a background with the XYZ color 9.1913, 13.8392, 2.1868.



This preview shows how white text looks on a background with the XYZ color 9.1913, 13.8392,

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

9.1913, 13.8392, 2.1868

Protanopia

12.2864, 13.6825, 1.9934

Deuteranopia

13.8726, 13.6186, 2.6565



Tritanopia

12.4720, 13.8770, 18.2408

Trichromacy



Original Color

9.1913, 13.8392, 2.1868

Protanomaly

10.8421, 13.5499, 2.0440

Deuteranomaly

11.5851, 13.3118, 2.3743

Tritanomaly

10.5248, 13.5642, 8.3668

Monochromacy



Original Color

9.1913, 13.8392, 2.1868

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.1586, 11.3983, 5.7204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.1913, 13.8392, 2.1868 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(77, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(77, 115, 0)  
}
```

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(77, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 115, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.1913, 13.8392, 2.1868 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(77, 115, 0) }
```


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

```
.border{ border-color:rgb(77, 115, 0) }
```

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

Here you see how a box with a 4 pixel rgb(77, 115, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(77, 115, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.1913, 13.8392, 2.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 115, 0) }
```

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

```
.background{ background-color: rgb(77, 115,  
0) }
```

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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