

Converting Colors

XYZ(13.5240, 18.7324, 0.5940)

Have a look what the booklet for
XYZ(13.5240, 18.7324, 0.5940)
contains.

XYZ(13.9137, 18.8263, 2.9005) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 28

CSS Examples 31

Color

**XYZ(13.9137, 18.8263,
2.9005)**

Conversions

Conversions Part 1	
Format	Color
Hex	6B8100
RGB	107, 129, 0
RGB Percent	42%, 51%, 0%
CMY	0.5804, 0.4941, 1.0000
CMYK	0.17, 0.00, 1.00, 0.49
HSL	70°, 100%, 25%
HSV	70°, 100%, 51%
XYZ	13.9137, 18.8263, 2.9005
YIQ	107.7160, 28.2970, -44.7830

Conversions

Conversions Part 2

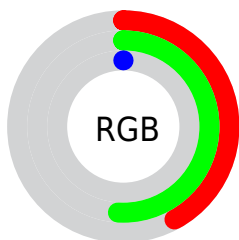
Format	Color
RYB	0, 129, 22
Decimal	7045376
CIELab	50.48, -23.05, 54.90
CIELCh	50, 59.539, 112.778
Yxy	18.8263, 0.3904, 0.5282
Android (android.graphics.Color)	4285235456 (0xFF6B8100)
YUV	107.7160, -53.1040, -0.6279
Hunter-Lab	43.3893, -18.6914, 26.4091

Details

The XYZ color **13.9137, 18.8263, 2.9005** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.2939, 1.7559, 20.8826**, and the grayscale version is **14.3134, 15.0588, 16.3991**.

A 20% lighter version of the original color is **32.6116, 41.5306, 11.4517**, and **4.4442, 6.5495, 1.0300** is the 20% darker color. If you saturate the color by 10%, you get **13.9139, 18.8270, 2.9006**, and if you desaturate by 10%, it is **14.2541, 18.9941, 3.2926**.

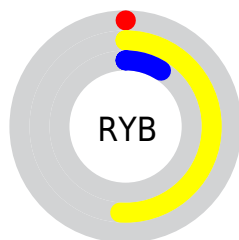
Distribution



Red (42%)

Green (51%)

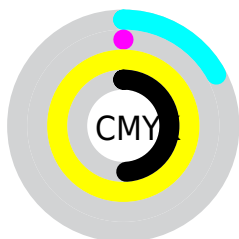
Blue (0%)



Red (0%)

Yellow (51%)

Blue (9%)

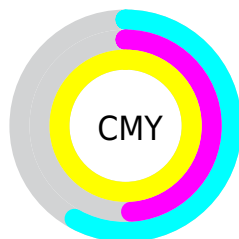


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (58%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.9137, 18.8263, 2.9005 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 13.9137, 18.8263, 2.9005 by changing the saturation by 10% instead.


 13.9137, 18.8263,
2.9005


 13.9137, 18.8263,
2.9005


210.2147,
245.4882, 135.0831


 8.1420, 11.5448,
1.0441


 32.5234, 41.4404,
11.3819


 4.2385, 6.4346,
0.0000


 46.0920, 57.5418,
18.8440


 1.8379, 3.1111,
0.0000


 62.9903, 77.3520,
29.0116

 0.5404, 1.1900,
0.0000

 83.5837, 101.2553,
42.3034


 0.0000, 0.0535,
0.0000


 108.2375,
129.6362, 59.1380


 0.0000, 0.0000,
0.0000


 137.3170,


162.8790, 79.9337


 171.1876,
201.3682, 105.1092


 13.9137, 18.8263,
2.9005


 13.9137, 18.8263,
2.9005


 13.9139, 18.8270,
2.9006

 14.2541, 18.9941,
3.2926

 14.6411, 19.1806,
3.8967

 15.0998, 19.3966,
4.8424

 15.6379, 19.6452,
6.1706

 16.2622, 19.9290,
7.9165

■ 16.9786, 20.2505,
10.1113

■ 17.7926, 20.6119,
12.7830

■ 18.7091, 21.0150,
15.9578

■ 19.7328, 21.4619,
19.6595

Harmonies

Analogous

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



19.3328, 18.8263, 2.3343



13.9137, 18.8263, 2.9005



10.4008, 18.8263, 6.6119

Triad

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



13.9137, 18.8263, 2.9005



11.9596, 18.8263, 57.9050



31.3959, 18.8263, 24.7818

Complementary

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



13.9137, 18.8263, 2.9005



4.2939, 1.7559, 20.8826

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.



28.3256, 18.8263, 46.5268



13.9137, 18.8263, 2.9005



16.5281, 18.8263, 71.3210

Square

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



13.9137, 18.8263, 2.9005



9.4546, 18.8263, 35.5193



22.5687, 18.8263, 66.3051



30.2729, 18.8263, 10.4520

Rectangle

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



13.9137, 18.8263, 2.9005



9.2149, 18.8263, 12.4214



22.5687, 18.8263, 66.3051



30.8010, 18.8263, 31.4845

Sweetspot

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



13.9141, 18.8272, 2.9009



31.7517, 36.8611, 22.5218



9.3314, 5.2226, 0.5165



7.0675, 8.2905, 4.7000



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.



13.9141, 18.8272, 2.9009



24.8048, 33.6563, 5.1890



8.8473, 16.2151, 2.6638



4.5957, 4.9835, 4.6398



13.5685, 18.3572, 2.8282



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.2939, 1.7559, 20.8826



7.5943, 3.0953, 37.3897



7.8009, 3.5639, 21.0467



4.1720, 4.2443, 5.4126



4.1888, 1.7131, 20.3598



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.9137, 18.8263, 2.9005 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 13.9137, 18.8263, 2.9005 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 13.9137, 18.8263, 2.9005

Background



This preview shows how black text looks on a background with the XYZ color 13.9137, 18.8263, 2.9005.



This preview shows how white text looks on a background with the XYZ color 13.9137, 18.8263,

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

13.9137, 18.8263, 2.9005

Protanopia

16.7081, 18.5838, 2.7064

Deuteranopia

18.9345, 18.6758, 3.4174



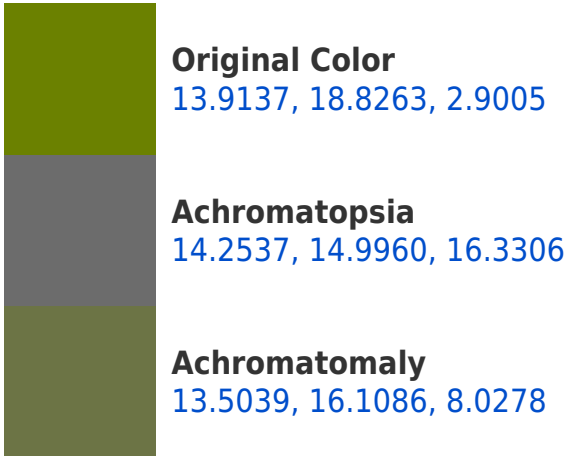
Tritanopia

18.0150, 18.7998, 23.4481

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9137, 18.8263, 2.9005 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, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(107, 129, 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(107, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.9137, 18.8263, 2.9005 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, 129, 0) }
```


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

```
.border{ border-color:rgb(107, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(107, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9137, 18.8263, 2.9005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 129, 0) }
```

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

```
.background{ background-color: rgb(107,  
129, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor