

Converting Colors

XYZ(13.8976, 18.8455, 3.9503)

Have a look what the booklet for
XYZ(13.8976, 18.8455, 3.9503)
contains.

XYZ(13.8738, 18.7829, 3.9311)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.8738, 18.7829,
3.9311)**

Conversions

Conversions Part 1

Format	Color
Hex	69811B
RGB	105, 129, 27
RGB Percent	41%, 51%, 11%
CMY	0.5882, 0.4941, 0.8941
CMYK	0.19, 0.00, 0.79, 0.49
HSL	74°, 65%, 31%
HSV	74°, 79%, 51%
XYZ	13.8738, 18.7829, 3.9311
YIQ	110.1960, 18.4380, -36.8100

Conversions

Conversions Part 2

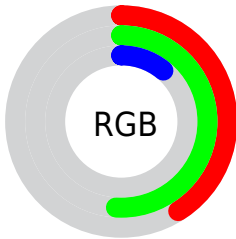
Format	Color
R_{YB}	27, 129, 51
Decimal	6914331
CIE _{Lab}	50.43, -23.08, 48.44
CIE _{LCh}	50, 53.656, 115.481
Yxy	18.7829, 0.3792, 0.5134
Android (android.graphics.Color)	4285104411 (0xFF69811B)
YUV	110.1960, -41.0156, -4.5569
Hunter-Lab	43.3392, -18.7021, 24.9596

Details

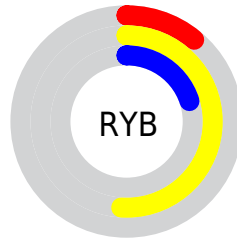
The XYZ color **13.8738, 18.7829, 3.9311** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.7202, 3.0731, 21.0616**, and the grayscale version is **14.9883, 15.7689, 17.1723**.

A 20% lighter version of the original color is **32.4740, 41.4060, 13.8700**, and **4.3900, 6.5216, 1.0274** is the 20% darker color. If you saturate the color by 10%, you get **13.4061, 18.5560, 3.2942**, and if you desaturate by 10%, it is **14.4207, 19.0443, 4.9148**.

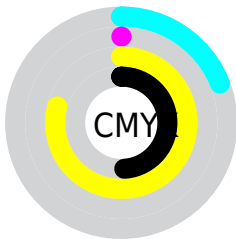
Distribution



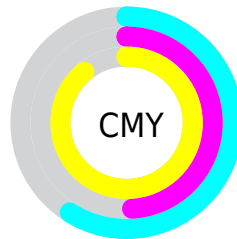
- Red (41%)
- Green (51%)
- Blue (11%)



- Red (11%)
- Yellow (51%)
- Blue (20%)



- Cyan (19%)
- Magenta (0%)
- Yellow (79%)
- Black (49%)



- Cyan (59%)
- Magenta (49%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8738, 18.7829, 3.9311 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 13.8738, 18.7829, 3.9311 by changing the saturation by 10% instead.

■ 13.8738, 18.7829,
3.9311

■ 13.8738, 18.7829,
3.9311

209.9707,
245.2476, 147.4564

■ 8.1141, 11.5135,
1.5876

■ 32.4531, 41.3669,
13.8505

■ 4.2204, 6.4133,
0.2820

■ 46.0033, 57.4504,
22.2636

■ 1.8276, 3.0980,
0.0000

■ 62.8811, 77.2406,
33.5369

■ 0.5342, 1.1831,
0.0000

■ 83.4518, 101.1220,
48.0890

■ 0.0000, 0.0479,
0.0000

■ 108.0807,
129.4790, 66.3385

■ 0.0000, 0.0000,
0.0000

■ 137.1333,

162.6961, 88.7039

170.9748,
201.1574, 115.6037

13.8738, 18.7829,
3.9311

13.8738, 18.7829,
3.9311

13.4061, 18.5560,
3.2942

14.4207, 19.0443,
4.9148

12.9950, 18.3526,
2.8920

15.0533, 19.3407,
6.2843

12.9576, 18.3341,
2.8559

15.7787, 19.6758,
8.0749

16.6030, 20.0519,
10.3173

17.5314, 20.4713,
13.0395

■ 18.5691, 20.9359,
16.2672

■ 19.7207, 21.4476,
20.0244

■ 20.9906, 22.0082,
24.3333

■ 22.3828, 22.6193,
29.2151

Harmonies

Analogous

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



18.6550, 18.7829, 3.0968



13.8738, 18.7829, 3.9311



10.7947, 18.7829, 8.1053

Triad

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



13.8738, 18.7829, 3.9311



12.7481, 18.7829, 54.4489



29.8422, 18.7829, 22.8005

Complementary

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



13.8738, 18.7829, 3.9311



5.7202, 3.0731, 21.0616

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.



27.4637, 18.7829, 41.4447



13.8738, 18.7829, 3.9311



17.0735, 18.7829, 64.5666

Square

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



13.8738, 18.7829, 3.9311



10.2391, 18.7829, 35.4757



22.5275, 18.7829, 58.9156



28.5309, 18.7829, 10.4110

Rectangle

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



13.8738, 18.7829, 3.9311



9.7931, 18.7829, 14.0590



22.5275, 18.7829, 58.9156



29.4366, 18.7829, 28.5362

Sweetspot

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



13.8742, 18.7837, 3.9315



32.2057, 37.0222, 25.8389



10.4269, 7.0970, 1.8574



7.1663, 8.3245, 5.4690



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.



13.8742, 18.7837, 3.9315



23.4140, 32.9340, 5.3645



9.5808, 16.5704, 3.7306



4.5695, 4.9701, 4.6386



12.6369, 17.8769, 2.7846



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.7202, 3.0731, 21.0616



8.3157, 3.6028, 37.4496



9.8119, 5.1824, 21.2531



4.1963, 4.2568, 5.4137



4.3990, 1.8215, 20.3697



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.8738, 18.7829, 3.9311 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 13.8738, 18.7829, 3.9311 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 13.8738, 18.7829, 3.9311

Background



This preview shows how black text looks on a background with the XYZ color 13.8738, 18.7829, 3.9311.



This preview shows how white text looks on a background with the XYZ color 13.8738, 18.7829,

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

13.8738, 18.7829, 3.9311

Protanopia

16.8836, 18.6540, 3.6304

Deuteranopia

18.8984, 18.6400, 4.1919



Tritanopia

17.8160, 18.6895, 23.7875

Trichromacy



Original Color

13.8738, 18.7829, 3.9311

Protanomaly

15.5816, 18.5256, 3.7318

Deuteranomaly

16.6891, 18.3663, 4.0319

Tritanomaly

15.6143, 18.3357, 13.0721

Monochromacy



Original Color

13.8738, 18.7829, 3.9311

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.9936, 16.4899, 10.0347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8738, 18.7829, 3.9311 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, 129, 27)` looks like.

```
.text, #text, p{  
    color:rgb(105, 129, 27)  
}
```

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, 129, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 129, 27) }
```

Border

The CSS property to change the border of an element to XYZ 13.8738, 18.7829, 3.9311 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, 129, 27) }
```


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

```
.border{ border-color:rgb(105, 129, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 129, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 129, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 129, 27);  
box-shadow:4px 4px 4px 4px rgb(105, 129,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8738, 18.7829, 3.9311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 129, 27) }
```

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

```
.background{ background-color: rgb(105,  
129, 27) }
```

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