

Converting Colors

XYZ(13.7968, 19.2338, 3.5839)

Have a look what the booklet for
XYZ(13.7968, 19.2338, 3.5839)
contains.

XYZ(13.7133, 19.1044, 3.5808)	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(13.7133, 19.1044,
3.5808)**

Conversions

Conversions Part 1

Format	Color
Hex	668313
RGB	102, 131, 19
RGB Percent	40%, 51%, 7%
CMY	0.6000, 0.4863, 0.9255
CMYK	0.22, 0.00, 0.85, 0.49
HSL	76°, 75%, 29%
HSV	76°, 85%, 51%
XYZ	13.7133, 19.1044, 3.5808
YIQ	109.5610, 18.6680, -40.9800

Conversions

Conversions Part 2

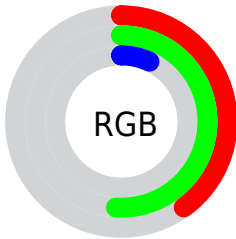
Format	Color
R_{YB}	19, 131, 48
Decimal	6718227
CIE _{Lab}	50.81, -25.73, 51.11
CIE _{LCh}	51, 57.221, 116.719
Yxy	19.1044, 0.3768, 0.5249
Android (android.graphics.Color)	4284908307 (0xFF668313)
YUV	109.5610, -44.6466, -6.6310
Hunter-Lab	43.7086, -20.4867, 25.7387

Details

The XYZ color **13.7133, 19.1044, 3.5808** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.5493, 2.7333, 21.7090**, and the grayscale version is **14.8157, 15.5873, 16.9746**.

A 20% lighter version of the original color is **32.1208, 41.8569, 13.0429**, and **4.3077, 6.5887, 1.0447** is the 20% darker color. If you saturate the color by 10%, you get **13.2518, 18.8770, 3.1147**, and if you desaturate by 10%, it is **14.2507, 19.3654, 4.3608**.

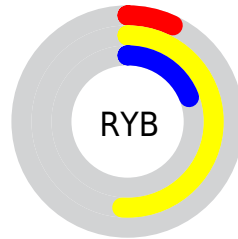
Distribution



Red (40%)

Green (51%)

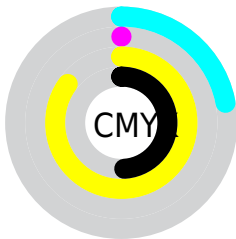
Blue (7%)



Red (7%)

Yellow (51%)

Blue (19%)

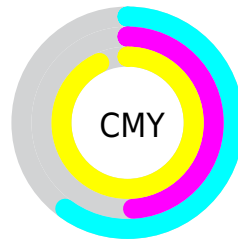


Cyan (22%)

Magenta (0%)

Yellow (85%)

Black (49%)



Cyan (60%)

Magenta (49%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7133, 19.1044, 3.5808 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 13.7133, 19.1044, 3.5808 by changing the saturation by 10% instead.

■ 13.7133, 19.1044,
3.5808

■ 13.7133, 19.1044,
3.5808

208.9864,
247.0245, 143.4453

■ 8.0019, 11.7457,
1.3983

■ 32.1700, 41.9104,
13.0308

■ 4.1480, 6.5708,
0.1404

■ 45.6460, 58.1266,
21.1354

■ 1.7862, 3.1952,
0.0000

■ 62.4409, 78.0641,
32.0511

■ 0.5093, 1.2345,
0.0000

■ 82.9200, 102.1072,
46.1965


■ 0.0000, 0.0896,
0.0000


■ 107.4488,
130.6404, 63.9900


■ 0.0000, 0.0000,
0.0000


■ 136.3926,


164.0481, 85.8504


 170.1166,
202.7147, 112.1959


 13.7133, 19.1044,
3.5808


 13.7133, 19.1044,
3.5808


 13.2518, 18.8770,
3.1147


 14.2507, 19.3654,
4.3608

 13.0548, 18.7791,
2.9367

 14.8745, 19.6621,
5.5146

 15.5929, 19.9985,
7.0822

 16.4125, 20.3772,
9.0980

 17.3394, 20.8008,
11.5930

■ 18.3792, 21.2714,
14.5953

■ 19.5368, 21.7912,
18.1309

■ 20.8172, 22.3619,
22.2241

■ 22.2247, 22.9855,
26.8975

Harmonies

Analogous

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



18.7848, 19.1044, 2.6640



13.7133, 19.1044, 3.5808



10.5291, 19.1044, 8.0061

Triad

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



13.7133, 19.1044, 3.5808



12.8425, 19.1044, 58.9690



31.2502, 19.1044, 22.6268

Complementary

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



13.7133, 19.1044, 3.5808



5.5493, 2.7333, 21.7090

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.



28.7935, 19.1044, 42.8712



13.7133, 19.1044, 3.5808



17.5456, 19.1044, 69.6369

Square

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



13.7133, 19.1044, 3.5808



10.1042, 19.1044, 38.0840



23.4726, 19.1044, 62.5951



29.6442, 19.1044, 9.7448

Rectangle

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



13.7133, 19.1044, 3.5808



9.5294, 19.1044, 14.4616



23.4726, 19.1044, 62.5951



30.8616, 19.1044, 28.7668

Sweetspot

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



13.7137, 19.1053, 3.5812



32.6951, 37.9930, 25.4943



10.4949, 6.9060, 1.3962



7.4812, 8.7865, 5.5521



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.7137, 19.1053, 3.5812



23.2283, 33.5510, 5.2517



9.4068, 16.8850, 3.3796



4.9252, 5.3640, 5.0051



12.8523, 18.4856, 2.8907



0.0513, 0.0675, 0.0103

Inverse Universe

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



5.5493, 2.7333, 21.7090



8.3856, 3.4755, 38.6820



9.9239, 4.9885, 21.9137



4.5392, 4.5986, 5.8491



4.6818, 1.9477, 21.2659



0.0222, 0.0098, 0.0740

Previews

White Background



This preview shows how the XYZ color 13.7133, 19.1044, 3.5808 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 13.7133, 19.1044, 3.5808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

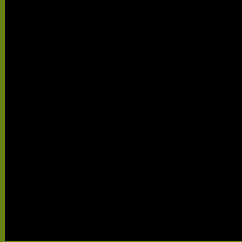
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.7133, 19.1044, 3.5808

Background



This preview shows how black text looks on a background with the XYZ color 13.7133, 19.1044, 3.5808.



This preview shows how white text looks on a background with the XYZ color 13.7133, 19.1044,

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

13.7133, 19.1044, 3.5808

Protanopia

17.0842, 18.9464, 3.2468

Deuteranopia

19.3140, 19.0306, 3.8836



Tritanopia

17.9344, 19.0957, 24.5704

Trichromacy



Original Color

13.7133, 19.1044, 3.5808

Protanomaly

15.7470, 18.9928, 3.3663

Deuteranomaly

16.8553, 18.8177, 3.7211

Tritanomaly

15.5286, 18.6738, 12.6835

Monochromacy



Original Color

13.7133, 19.1044, 3.5808

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.8814, 16.6185, 9.4972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7133, 19.1044, 3.5808 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(102, 131, 19)` looks like.

```
.text, #text, p{  
    color:rgb(102, 131, 19)  
}
```

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(102, 131, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 131, 19) }
```

Border

The CSS property to change the border of an element to XYZ 13.7133, 19.1044, 3.5808 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(102, 131, 19) }
```


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

```
.border{ border-color:rgb(102, 131, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 131, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 131, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 131, 19);  
box-shadow:4px 4px 4px 4px rgb(102, 131,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7133, 19.1044, 3.5808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 131, 19) }
```

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

```
.background{ background-color: rgb(102,  
131, 19) }
```

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