

Converting Colors

XYZ(31.7787, 57.0447, 14.8157)

Have a look what the booklet for
XYZ(31.7787, 57.0447, 14.8157)
contains.

XYZ(31.7369, 57.0178, 14.8017)	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(31.7369, 57.0178,
14.8017)**

Conversions

Conversions Part 1

Format	Color
Hex	4FE344
RGB	79, 227, 68
RGB Percent	31%, 89%, 27%
CMY	0.6902, 0.1098, 0.7333
CMYK	0.65, 0.00, 0.70, 0.11
HSL	116°, 74%, 58%
HSV	116°, 70%, 89%
XYZ	31.7369, 57.0178, 14.8017
YIQ	164.6220, -37.1690, -80.8250

Conversions

Conversions Part 2

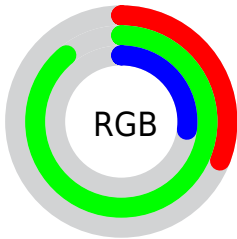
Format	Color
RYB	68, 227, 216
Decimal	5235524
CIELab	80.19, -67.73, 63.01
CIELCh	80, 92.506, 137.069
Yxy	57.0178, 0.3065, 0.5506
Android (android.graphics.Color)	4283425604 (0xFF4FE344)
YUV	164.6220, -47.6346, -75.0905
Hunter-Lab	75.5101, -57.1192, 41.2349

Details

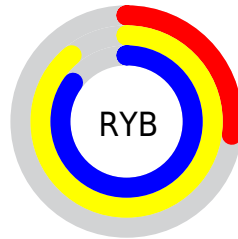
The XYZ color **31.7369, 57.0178, 14.8017** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **44.2551, 24.2817, 75.0305**, and the grayscale version is **35.8180, 37.6833, 41.0371**.

A 20% lighter version of the original color is **51.0751, 78.9950, 31.6244**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **29.6871, 56.0279, 11.7634**, and if you desaturate by 10%, it is **34.6159, 58.4076, 19.2805**.

Distribution



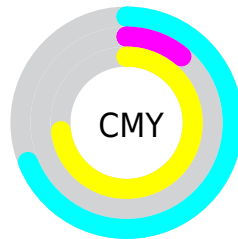
- Red (31%)
- Green (89%)
- Blue (27%)



- Red (27%)
- Yellow (89%)
- Blue (85%)



- Cyan (65%)
- Magenta (0%)
- Yellow (70%)
- Black (11%)





- Cyan (69%)
- Magenta (11%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7369, 57.0178, 14.8017 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 31.7369, 57.0178, 14.8017 by changing the saturation by 10% instead.


 31.7369, 57.0178,
14.8017


 31.7369, 57.0178,
14.8017


301.6856,
413.5160, 233.7621

 21.3152, 41.0195,
8.5353


 61.7664, 100.4912,
35.2423


 13.4684, 28.3343,
4.3467


 82.1049, 128.7350,
50.2535


 7.8311, 18.5778,
1.8174


 106.4797,
161.8296, 69.0168

 4.0379, 11.3656,
0.4394

 135.2561,
200.1592, 91.9506

 1.7236, 6.3133,
0.0000

 168.7996,
244.1082, 119.4735

 0.4710, 3.0365,
0.0000

207.4754,

 0.0000, 1.1508,

294.0611, 152.0040

0.0000

251.6490,
350.4022, 189.9607

■ 0.0000, 0.0210,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.7369, 57.0178,
14.8017

■ 31.7369, 57.0178,
14.8017

■ 29.6871, 56.0279,
11.7634

■ 34.6159, 58.4076,
19.2805


■ 28.3746, 55.3893,
9.9857


■ 38.3957, 60.2258,
25.3441


■ 27.6788, 55.0480,
9.1665


■ 43.1445, 62.5067,
33.1235


■ 48.9231, 65.2789,
42.7349

 55.7871, 68.5689,
54.2846

 63.7882, 72.4011,
67.8706

 72.9746, 76.7986,
83.5844

 83.3921, 81.7830,
101.5119

 86.7603, 83.4205,
106.1368

Harmonies

Analogous

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



44.2284, 57.0178, 6.3140



31.7369, 57.0178, 14.8017



25.9700, 57.0178, 41.6161

Triad

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



31.7369, 57.0178, 14.8017



46.4748, 57.0178, 228.3565



96.7924, 57.0178, 36.3094

Complementary

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



31.7369, 57.0178, 14.8017



44.2551, 24.2817, 75.0305

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.



97.7937, 57.0178, 88.3529



31.7369, 57.0178, 14.8017



65.5536, 57.0178, 223.7614

Square

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



31.7369, 57.0178, 14.8017



33.0510, 57.0178, 173.4399



85.3280, 57.0178, 163.1298



82.8458, 57.0178, 12.8545

Rectangle

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



31.7369, 57.0178, 14.8017



25.5775, 57.0178, 75.7653



85.3280, 57.0178, 163.1298



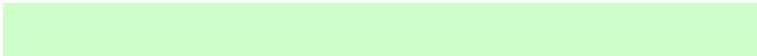
98.7517, 57.0178, 50.1553

Sweetspot

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



31.7382, 57.0202, 14.8030



71.5746, 88.7591, 68.8961



56.7079, 64.7179, 14.9727



14.7668, 18.7330, 13.8136



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.7382, 57.0202, 14.8030



37.7660, 72.5083, 14.0846



34.1754, 57.8980, 32.0219



14.2811, 16.1365, 15.2664



16.1765, 32.1208, 5.3473



1.2280, 2.3904, 0.3967

Inverse Universe

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



44.2551, 24.2817, 75.0305



54.8354, 27.3504, 96.9968



40.1588, 23.0311, 35.9338



14.8916, 14.5618, 18.1702



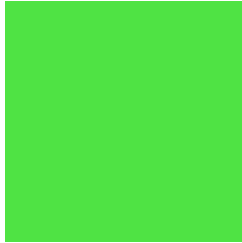
23.8451, 11.3585, 43.3188



1.7918, 0.8547, 3.2025

Previews

White Background



This preview shows how the XYZ color 31.7369, 57.0178, 14.8017 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.7369, 57.0178, 14.8017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

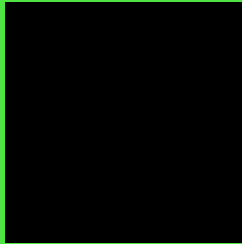
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7369, 57.0178, 14.8017

Background



This preview shows how black text looks on a background with the XYZ color 31.7369, 57.0178, 14.8017.



This preview shows how white text looks on a background with the XYZ color 31.7369, 57.0178,

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

31.7369, 57.0178, 14.8017

Protanopia

50.8285, 56.0866, 12.4218

Deuteranopia

56.9495, 55.5623, 15.7057



Tritanopia

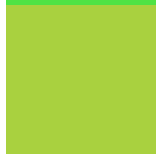
45.1576, 56.5957, 82.6727

Trichromacy



Original Color

31.7369, 57.0178, 14.8017



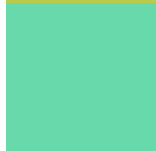
Protanomaly

40.0599, 54.3948, 13.0905



Deuteranomaly

42.4677, 53.0912, 15.0305



Tritanomaly

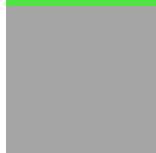
37.7775, 55.4710, 46.7461

Monochromacy



Original Color

31.7369, 57.0178, 14.8017



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.8440, 42.6465, 27.6723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7369, 57.0178, 14.8017 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(79, 227, 68)` looks like.

```
.text, #text, p{  
    color:rgb(79, 227, 68)  
}
```

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(79, 227, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 227, 68) }
```

Border

The CSS property to change the border of an element to XYZ 31.7369, 57.0178, 14.8017 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(79, 227, 68) }
```


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

```
.border{ border-color:rgb(79, 227, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 227, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 227, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 227, 68);  
box-shadow:4px 4px 4px 4px rgb(79, 227,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7369, 57.0178, 14.8017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 227, 68) }
```

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

```
.background{ background-color: rgb(79, 227,  
68) }
```

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