

Converting Colors

XYZ(31.3318, 54.8456, 17.3997)

Have a look what the booklet for
XYZ(31.3318, 54.8456, 17.3997)
contains.

XYZ(31.2888, 54.7216, 17.3008)	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(31.2888, 54.7216,
17.3008)**

Conversions

Conversions Part 1

Format	Color
Hex	53DE54
RGB	83, 222, 84
RGB Percent	33%, 87%, 33%
CMY	0.6745, 0.1294, 0.6706
CMYK	0.63, 0.00, 0.62, 0.13
HSL	120°, 68%, 60%
HSV	120°, 63%, 87%
XYZ	31.2888, 54.7216, 17.3008
YIQ	164.7070, -38.5460, -72.3860

Conversions

Conversions Part 2

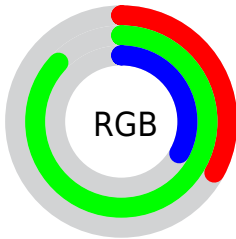
Format	Color
RYB	83, 221, 222
Decimal	5496404
CIELab	78.88, -63.73, 55.26
CIELCh	79, 84.352, 139.070
Yxy	54.7216, 0.3029, 0.5297
Android (android.graphics.Color)	4283686484 (0xFF53DE54)
YUV	164.7070, -39.7886, -71.6570
Hunter-Lab	73.9740, -53.9545, 37.9153

Details

The XYZ color **31.2888, 54.7216, 17.3008** 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 **46.2700, 26.9374, 71.1677**, and the grayscale version is **35.8228, 37.6884, 41.0426**.

A 20% lighter version of the original color is **52.2015, 79.4660, 36.6319**, and **13.8227, 27.3470, 5.5273** is the 20% darker color. If you saturate the color by 10%, you get **28.9031, 53.5779, 13.3705**, and if you desaturate by 10%, it is **34.5756, 56.3017, 22.6928**.

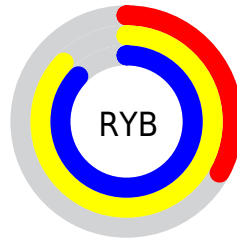
Distribution



Red (33%)

Green (87%)

Blue (33%)



Red (33%)

Yellow (87%)

Blue (87%)

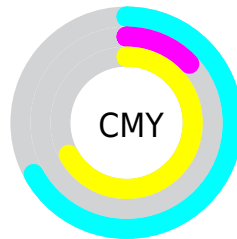


Cyan (63%)

Magenta (0%)

Yellow (62%)

Black (13%)



Cyan (67%)

Magenta (13%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2888, 54.7216, 17.3008 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 31.2888, 54.7216, 17.3008 by changing the saturation by 10% instead.

31.2888, 54.7216,
17.3008

31.2888, 54.7216,
17.3008

299.6698,
404.8557, 249.0023

20.9718, 39.1789,
10.2850

61.0672, 97.1329,
39.6399

13.2157, 26.8989,
5.4802

81.2593, 124.7703,
55.8003

7.6553, 17.4973,
2.4681

105.4738,
157.2081, 75.8460

3.9251, 10.5897,
0.8232

134.0761,
194.8306, 100.1955

1.6599, 5.7917,
0.0000

167.4315,
238.0222, 129.2673

0.4309, 2.7188,
0.0000

205.9053,

0.0000, 0.9868,

287.1673, 163.4800

0.0000

249.8630,
342.6504, 203.2521

■ 0.0000, 0.0000,
0.0000

■ 31.2888, 54.7216,
17.3008

■ 31.2888, 54.7216,
17.3008

■ 28.9031, 53.5779,
13.3705

■ 34.5756, 56.3017,
22.6928

■ 27.3257, 52.8209,
10.7560

■ 38.8366, 58.3484,
29.6668

■ 26.4512, 52.4017,
9.2877

■ 44.1420, 60.8971,
38.3347

■ 26.1311, 52.2482,
8.7537

■ 50.5546, 63.9779,
48.7973

■ 58.1319, 67.6187,
61.1476

66.9278, 71.8452,
75.4722

76.9926, 76.6816,
91.8520

85.4123, 80.7247,
105.6874

Harmonies

Analogous

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



42.1889, 54.7216, 8.0281



31.2888, 54.7216, 17.3008



26.3795, 54.7216, 43.7599

Triad

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



31.2888, 54.7216, 17.3008



46.1448, 54.7216, 203.6290



88.7422, 54.7216, 34.2568

Complementary

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



31.2888, 54.7216, 17.3008



46.2700, 26.9374, 71.1677

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.



90.4414, 54.7216, 78.8222



31.2888, 54.7216, 17.3008



63.2508, 54.7216, 196.0415

Square

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



31.2888, 54.7216, 17.3008



33.6479, 54.7216, 159.8681



80.3115, 54.7216, 142.6601



76.0724, 54.7216, 13.5526

Rectangle

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



31.2888, 54.7216, 17.3008



26.2644, 54.7216, 75.3259



80.3115, 54.7216, 142.6601



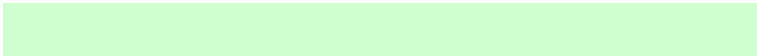
90.7039, 54.7216, 46.2014

Sweetspot

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



31.2901, 54.7239, 17.3020



72.6168, 89.2208, 72.3613



57.8091, 68.3995, 18.3394



14.9329, 18.8038, 14.4937



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.



31.2901, 54.7239, 17.3020



38.8161, 72.9848, 17.0625



35.3985, 56.3672, 38.9363



13.5328, 15.3389, 14.5750



15.5225, 31.0338, 5.2085



1.0774, 2.1517, 0.3686

Inverse Universe

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



46.2700, 26.9374, 71.1677



60.8878, 32.0301, 96.4200



38.9275, 24.0004, 32.5028



14.2906, 13.9339, 17.3003



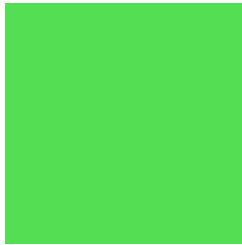
25.5996, 12.3069, 41.4190



1.7758, 0.8536, 2.8783

Previews

White Background



This preview shows how the XYZ color 31.2888, 54.7216, 17.3008 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 31.2888, 54.7216, 17.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

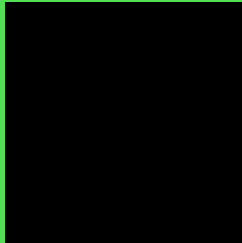
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

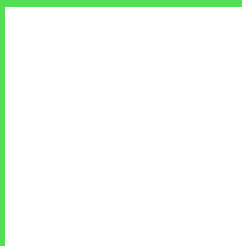
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2888, 54.7216, 17.3008

Background



This preview shows how black text looks on a background with the XYZ color 31.2888, 54.7216, 17.3008.



This preview shows how white text looks on a background with the XYZ color 31.2888, 54.7216,

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

31.2888, 54.7216, 17.3008

Protanopia

48.9152, 53.7043, 14.6253

Deuteranopia

54.4659, 53.2843, 18.2407



Tritanopia

43.6177, 54.3995, 79.4354

Trichromacy



Original Color

31.2888, 54.7216, 17.3008



Protanomaly

39.1526, 52.0751, 15.3851



Deuteranomaly

41.3738, 51.0886, 17.5780



Tritanomaly

37.2599, 53.6477, 48.4356

Monochromacy



Original Color

31.2888, 54.7216, 17.3008



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.9945, 42.0463, 29.7220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2888, 54.7216, 17.3008 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(83, 222, 84)` looks like.

```
.text, #text, p{  
    color:rgb(83, 222, 84)  
}
```

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(83, 222, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 222, 84) }
```

Border

The CSS property to change the border of an element to XYZ 31.2888, 54.7216, 17.3008 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(83, 222, 84) }
```


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

```
.border{ border-color:rgb(83, 222, 84) }
```

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

Here you see how a box with a 4 pixel rgb(83, 222, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 222, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 222, 84);  
box-shadow:4px 4px 4px 4px rgb(83, 222,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2888, 54.7216, 17.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 222, 84) }
```

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

```
.background{ background-color: rgb(83, 222,  
84) }
```

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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