

Converting Colors

XYZ(31.2115, 53.7284, 15.3388)

Have a look what the booklet for
XYZ(31.2115, 53.7284, 15.3388)
contains.

XYZ(31.1157, 53.4982, 15.3428)	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(31.1157, 53.4982,
15.3428)**

Conversions

Conversions Part 1

Format	Color
Hex	5DDB4B
RGB	93, 219, 75
RGB Percent	36%, 86%, 29%
CMY	0.6353, 0.1412, 0.7059
CMYK	0.58, 0.00, 0.66, 0.14
HSL	113°, 67%, 58%
HSV	113°, 66%, 86%
XYZ	31.1157, 53.4982, 15.3428
YIQ	164.9100, -28.8720, -71.4960

Conversions

Conversions Part 2

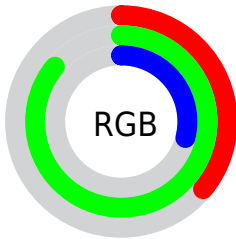
Format	Color
RYB	75, 219, 201
Decimal	6150987
CIELab	78.17, -61.30, 58.28
CIELCh	78, 84.583, 136.443
Yxy	53.4982, 0.3113, 0.5352
Android (android.graphics.Color)	4284341067 (0xFF5DDB4B)
YUV	164.9100, -44.3256, -63.0651
Hunter-Lab	73.1425, -52.0632, 38.7627

Details

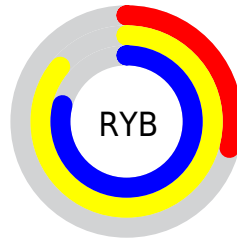
The XYZ color **31.1157, 53.4982, 15.3428** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **39.3928, 22.5661, 69.3002**, and the grayscale version is **35.9380, 37.8096, 41.1746**.

A 20% lighter version of the original color is **53.1157, 80.0017, 33.7615**, and **13.1535, 26.2184, 4.5971** is the 20% darker color. If you saturate the color by 10%, you get **28.7891, 52.3726, 11.9723**, and if you desaturate by 10%, it is **34.1888, 54.9820, 20.0967**.

Distribution



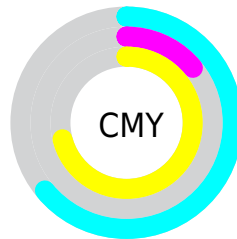
- Red (36%)
- Green (86%)
- Blue (29%)



- Red (29%)
- Yellow (86%)
- Blue (79%)



- Cyan (58%)
- Magenta (0%)
- Yellow (66%)
- Black (14%)





- Cyan (64%)
- Magenta (14%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1157, 53.4982, 15.3428 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 31.1157, 53.4982, 15.3428 by changing the saturation by 10% instead.


 31.1157, 53.4982,
15.3428


 31.1157, 53.4982,
15.3428


298.8884,
400.1936, 237.1436

 20.8392, 38.2006,
8.9110


 60.7968, 95.3371,
36.2042


 13.1183, 26.1384,
4.5872


 80.9321, 122.6471,
51.4709


 7.5876, 16.9272,
1.9527


 105.0844,
154.7302, 70.5197

 3.8818, 10.1826,
0.5260

 133.6191,
191.9706, 93.7691

 1.6355, 5.5202,
0.0000

 166.9015,
234.7527, 121.6377

 0.4154, 2.5556,
0.0000

205.2969,

 0.0000, 0.9044,

283.4610, 154.5439

0.0000

249.1707,
338.4798, 192.9064

■ 0.0000, 0.0000,
0.0000

■ 31.1157, 53.4982,
15.3428

■ 31.1157, 53.4982,
15.3428

■ 28.7891, 52.3726,
11.9723

■ 34.1888, 54.9820,
20.0967

■ 27.1403, 51.5683,
9.8337

■ 38.0615, 56.8439,
26.3574


■ 26.0941, 51.0519,
8.7459


■ 42.7866, 59.1102,
34.2390


■ 25.7944, 50.9033,
8.4658


■ 48.4111, 61.8030,
43.8432

■ 54.9786, 64.9427,
55.2638

 62.5299, 68.5484,
68.5876

 71.1032, 72.6382,
83.8958

 80.7348, 77.2290,
101.2649

 84.6226, 79.1452,
105.4242

Harmonies

Analogous

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



42.3709, 53.4982, 7.2963



31.1157, 53.4982, 15.3428



25.7835, 53.4982, 39.4095

Triad

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



31.1157, 53.4982, 15.3428



43.7548, 53.4982, 199.1409



87.8360, 53.4982, 36.0945

Complementary

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



31.1157, 53.4982, 15.3428



39.3928, 22.5661, 69.3002

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.



88.4338, 53.4982, 82.3039



31.1157, 53.4982, 15.3428



60.3875, 53.4982, 196.4604

Square

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



31.1157, 53.4982, 15.3428



31.9387, 53.4982, 152.2673



77.5388, 53.4982, 146.1985



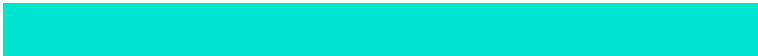
76.0489, 53.4982, 14.0490

Rectangle

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



31.1157, 53.4982, 15.3428



25.3503, 53.4982, 69.0747



77.5388, 53.4982, 146.1985



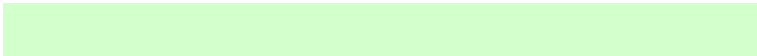
89.4281, 53.4982, 48.6205

Sweetspot

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



31.1170, 53.5005, 15.3440



73.3439, 89.6362, 70.5626



51.0938, 56.7867, 14.9254



15.1431, 18.9202, 14.1387



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.



31.1170, 53.5005, 15.3440



39.6170, 73.4326, 15.5208



32.1180, 53.7146, 29.0298



13.0370, 14.6838, 13.8727



15.3440, 30.2076, 5.0219



1.0449, 1.9832, 0.3277

Inverse Universe

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



39.3928, 22.5661, 69.3002



51.9253, 26.6107, 97.0073



38.6328, 22.8542, 38.5498



13.4459, 13.1880, 16.4890



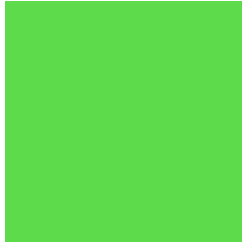
20.4801, 9.6820, 40.5278



1.3726, 0.6509, 2.6277

Previews

White Background



This preview shows how the XYZ color 31.1157, 53.4982, 15.3428 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 31.1157, 53.4982, 15.3428 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 31.1157, 53.4982, 15.3428

Background



This preview shows how black text looks on a background with the XYZ color 31.1157, 53.4982, 15.3428.

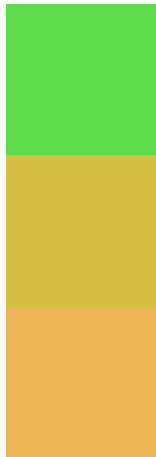


This preview shows how white text looks on a background with the XYZ color 31.1157, 53.4982,

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

31.1157, 53.4982, 15.3428

Protanopia

47.6246, 52.4128, 13.0754

Deuteranopia

53.3733, 52.1485, 16.2694



Tritanopia

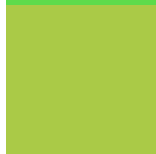
43.1946, 53.1682, 76.3925

Trichromacy



Original Color

31.1157, 53.4982, 15.3428



Protanomaly

38.8354, 51.2420, 13.8051



Deuteranomaly

41.0840, 49.9690, 15.6632



Tritanomaly

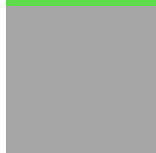
36.9245, 52.4311, 45.2199

Monochromacy



Original Color

31.1157, 53.4982, 15.3428



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.1613, 41.8528, 28.2131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1157, 53.4982, 15.3428 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(93, 219, 75)` looks like.

```
.text, #text, p{  
    color:rgb(93, 219, 75)  
}
```

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(93, 219, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 219, 75) }
```

Border

The CSS property to change the border of an element to XYZ 31.1157, 53.4982, 15.3428 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(93, 219, 75) }
```


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

```
.border{ border-color:rgb(93, 219, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 219, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 219, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 219, 75);  
box-shadow:4px 4px 4px 4px rgb(93, 219,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1157, 53.4982, 15.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 219, 75) }
```

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

```
.background{ background-color: rgb(93, 219,  
75) }
```

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