

Converting Colors

XYZ(31.8239, 55.7164, 11.5263)

Have a look what the booklet for
XYZ(31.8239, 55.7164, 11.5263)
contains.

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Color

**XYZ(31.6852, 55.4516,
11.5159)**

Conversions

Conversions Part 1

Format	Color
Hex	60DF2D
RGB	96, 223, 45
RGB Percent	38%, 87%, 18%
CMY	0.6235, 0.1255, 0.8235
CMYK	0.57, 0.00, 0.80, 0.13
HSL	103°, 74%, 53%
HSV	103°, 80%, 87%
XYZ	31.6852, 55.4516, 11.5159
YIQ	164.7350, -18.5540, -82.2820

Conversions

Conversions Part 2

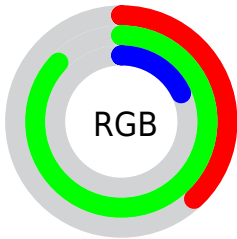
Format	Color
RYB	45, 223, 172
Decimal	6348589
CIELab	79.30, -64.09, 69.73
CIELCh	79, 94.707, 132.586
Yxy	55.4516, 0.3212, 0.5621
Android (android.graphics.Color)	4284538669 (0xFF60DF2D)
YUV	164.7350, -59.0294, -60.2806
Hunter-Lab	74.4658, -54.3635, 42.9571

Details

The XYZ color **31.6852, 55.4516, 11.5159** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **31.2747, 15.9775, 71.2507**, and the grayscale version is **35.9190, 37.7896, 41.1528**.

A 20% lighter version of the original color is **52.4621, 79.8297, 26.2793**, and **13.8312, 27.6439, 4.6068** is the 20% darker color. If you saturate the color by 10%, you get **29.8563, 54.5476, 9.7505**, and if you desaturate by 10%, it is **34.0821, 56.6256, 14.4924**.

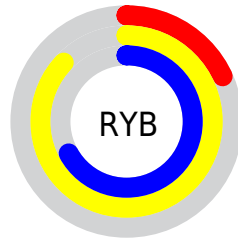
Distribution



Red (38%)

Green (87%)

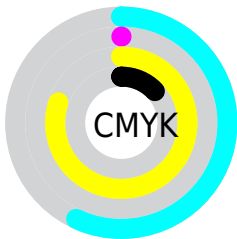
Blue (18%)



Red (18%)

Yellow (87%)

Blue (67%)

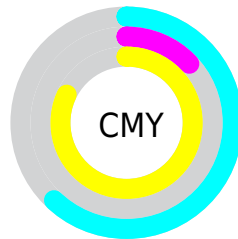


Cyan (57%)

Magenta (0%)

Yellow (80%)

Black (13%)



Cyan (62%)

Magenta (13%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6852, 55.4516, 11.5159 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 31.6852, 55.4516, 11.5159 by changing the saturation by 10% instead.

■ 31.6852, 55.4516,
11.5159

■ 31.6852, 55.4516,
11.5159

301.4536,
407.6215, 212.0364

■ 21.2755, 39.7634,
6.2965

■ 61.6858, 98.2023,
29.2614

■ 13.4392, 27.3541,
2.9545

■ 82.0074, 126.0336,
42.6245

■ 7.8107, 17.8394,
1.0714

■ 106.3638,
158.6814, 59.5392

■ 4.0249, 10.8347,
0.0000

■ 135.1202,
196.5301, 80.4242

■ 1.7162, 5.9558,
0.0000

■ 168.6420,
239.9640, 105.6978

■ 0.4664, 2.8182,
0.0000

■ 207.2946,

■ 0.0000, 1.0376,

289.3677, 135.7787

0.0000

251.4433,
345.1254, 171.0854

■ 0.0000, 0.0000,
0.0000

■ 31.6852, 55.4516,
11.5159

■ 31.6852, 55.4516,
11.5159

■ 29.8563, 54.5476,
9.7505

■ 34.0821, 56.6256,
14.4924

■ 28.5169, 53.8744,
8.9075

■ 37.0933, 58.0847,
18.8424

■ 28.4957, 53.8638,
8.8949

■ 40.7639, 59.8510,
24.7069

■ 45.1334, 61.9420,
32.2085

■ 50.2380, 64.3741,
41.4574

■ 56.1110, 67.1623,
52.5540

■ 62.7839, 70.3206,
65.5914

■ 70.2862, 73.8625,
80.6561

■ 78.6459, 77.8006,
97.8295

Harmonies

Analogous

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



45.1540, 55.4516, 5.0547



31.6852, 55.4516, 11.5159



25.0125, 55.4516, 34.2121

Triad

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



31.6852, 55.4516, 11.5159



42.5307, 55.4516, 224.8243



96.8894, 55.4516, 40.3655

Complementary

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



31.6852, 55.4516, 11.5159



31.2747, 15.9775, 71.2507

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.



95.7015, 55.4516, 97.3221



31.6852, 55.4516, 11.5159



61.0543, 55.4516, 230.3376

Square

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



31.6852, 55.4516, 11.5159



30.1634, 55.4516, 162.1639



81.4222, 55.4516, 174.4798



84.3589, 55.4516, 13.7020

Rectangle

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



31.6852, 55.4516, 11.5159



24.0316, 55.4516, 65.2112



81.4222, 55.4516, 174.4798



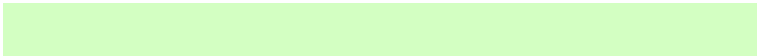
98.1537, 55.4516, 55.7885

Sweetspot

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



31.6865, 55.4540, 11.5171



72.4344, 89.3041, 64.3410



45.2075, 44.4800, 8.6863



14.9020, 18.8289, 12.6394



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.



31.6865, 55.4540, 11.5171



39.1520, 73.2622, 12.3704



28.9419, 53.9239, 16.5907



13.8957, 15.5264, 14.5713



16.8510, 31.7195, 5.2343



1.2547, 2.2433, 0.3669

Inverse Universe

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



31.2747, 15.9775, 71.2507



38.1372, 17.7397, 96.0218



40.3845, 21.1713, 49.1994



13.8924, 13.7281, 17.3053



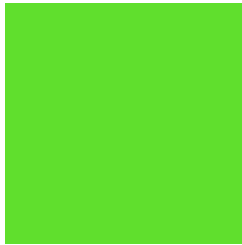
16.3687, 7.5337, 41.6398



1.2215, 0.5670, 2.8903

Previews

White Background



This preview shows how the XYZ color 31.6852, 55.4516, 11.5159 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 31.6852, 55.4516, 11.5159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

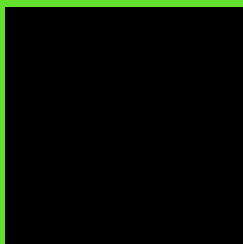
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6852, 55.4516, 11.5159

Background



This preview shows how black text looks on a background with the XYZ color 31.6852, 55.4516, 11.5159.

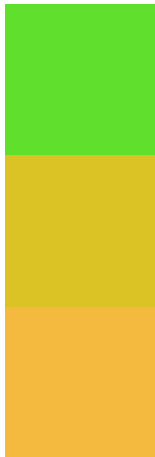


This preview shows how white text looks on a background with the XYZ color 31.6852, 55.4516,

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

31.6852, 55.4516, 11.5159

Protanopia

49.0784, 54.2302, 9.7145

Deuteranopia

55.5544, 54.2899, 12.2536



Tritanopia

45.0637, 55.1607, 78.7930

Trichromacy



Original Color

31.6852, 55.4516, 11.5159



Protanomaly

39.6871, 52.8214, 10.2016



Deuteranomaly

42.3724, 52.0795, 11.5605



Tritanomaly

37.3884, 53.8736, 41.2290

Monochromacy



Original Color

31.6852, 55.4516, 11.5159



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.8253, 42.0737, 24.5328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6852, 55.4516, 11.5159 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(96, 223, 45)` looks like.

```
.text, #text, p{  
    color:rgb(96, 223, 45)  
}
```

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(96, 223, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 223, 45) }
```

Border

The CSS property to change the border of an element to XYZ 31.6852, 55.4516, 11.5159 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(96, 223, 45) }
```


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

```
.border{ border-color:rgb(96, 223, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 223, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 223, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 223, 45);  
box-shadow:4px 4px 4px 4px rgb(96, 223,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6852, 55.4516, 11.5159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 223, 45) }
```

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

```
.background{ background-color: rgb(96, 223,  
45) }
```

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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