

Converting Colors

XYZ(31.6733, 54.6533, 33.5216)

Have a look what the booklet for
XYZ(31.6733, 54.6533, 33.5216)
contains.

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Color

**XYZ(31.6542, 54.5481,
33.6714)**

Conversions

Conversions Part 1

Format	Color
Hex	26DE8C
RGB	38, 222, 140
RGB Percent	15%, 87%, 55%
CMY	0.8510, 0.1294, 0.4510
CMYK	0.83, 0.00, 0.37, 0.13
HSL	153°, 74%, 51%
HSV	153°, 83%, 87%
XYZ	31.6542, 54.5481, 33.6714
YIQ	157.6360, -83.3420, -64.5100

Conversions

Conversions Part 2

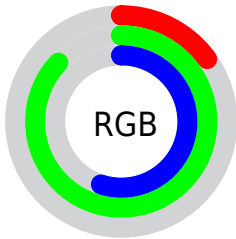
Format	Color
RYB	38, 156, 222
Decimal	2547340
CIELab	78.78, -61.96, 28.17
CIELCh	79, 68.059, 155.553
Yxy	54.5481, 0.2641, 0.4550
Android (android.graphics.Color)	4280737420 (0xFF26DE8C)
YUV	157.6360, -8.6945, -104.9208
Hunter-Lab	73.8567, -52.7460, 24.6693

Details

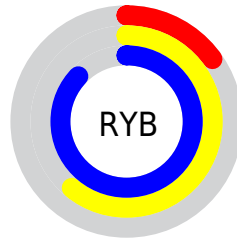
The XYZ color **31.6542, 54.5481, 33.6714** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **34.2092, 18.2730, 19.4955**, and the grayscale version is **32.4012, 34.0885, 37.1224**.

A 20% lighter version of the original color is **52.8337, 79.1969, 63.5409**, and **15.2583, 27.6315, 13.9804** is the 20% darker color. If you saturate the color by 10%, you get **30.3692, 53.9677, 29.9734**, and if you desaturate by 10%, it is **33.4949, 55.4103, 37.7403**.

Distribution



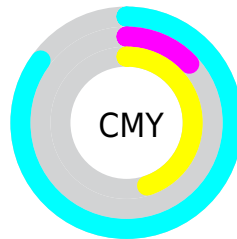
- Red (15%)
- Green (87%)
- Blue (55%)



- Red (15%)
- Yellow (61%)
- Blue (87%)



- Cyan (83%)
- Magenta (0%)
- Yellow (37%)
- Black (13%)





- Cyan (85%)
- Magenta (13%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6542, 54.5481, 33.6714 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 31.6542, 54.5481, 33.6714 by changing the saturation by 10% instead.


 31.6542, 54.5481,
33.6714


 31.6542, 54.5481,
33.6714


301.3143,
404.1966, 333.3887


 21.2518, 39.0400,
22.3660


 61.6375, 96.8785,
66.5504


 13.4217, 26.7909,
13.9252


 81.9490, 124.4697,
88.9610


 7.7985, 17.4162,
7.9305


 106.2943,
156.8573, 115.9104

 4.0170, 10.5317,
3.9634

 135.0387,
194.4259, 147.8172

 1.7118, 5.7529,
1.6053

 168.5475,
237.5597, 185.0999

 0.4636, 2.6954,
0.2946

207.1862,

 0.0000, 0.9749,

286.6431, 228.1770

0.0000

251.3200,
342.0607, 277.4671

■ 0.0000, 0.0000,
0.0000

■ 31.6542, 54.5481,
33.6714

■ 31.6542, 54.5481,
33.6714

■ 30.3692, 53.9677,
29.9734

■ 33.4949, 55.4103,
37.7403

■ 29.7015, 53.6763,
27.5553


■ 35.9642, 56.5874,
42.1885


■ 39.1277, 58.1144,
47.0286


■ 43.0412, 60.0199,
52.2714

■ 47.7546, 62.3295,
57.9269

 53.3135, 65.0664,
64.0049

 59.7596, 68.2521,
70.5146

 67.1320, 71.9065,
77.4650

 75.4675, 76.0484,
84.8648

Harmonies

Analogous

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



38.1921, 54.5481, 17.1655



31.6542, 54.5481, 33.6714



30.0961, 54.5481, 66.8680

Triad

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



31.6542, 54.5481, 33.6714



54.3944, 54.5481, 168.1031



75.9140, 54.5481, 25.8499

Complementary

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



31.6542, 54.5481, 33.6714



34.2092, 18.2730, 19.4955

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.



82.1492, 54.5481, 52.4980



31.6542, 54.5481, 33.6714



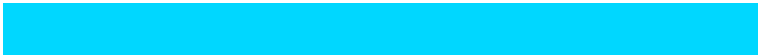
68.4195, 54.5481, 142.5370

Square

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



31.6542, 54.5481, 33.6714



41.8451, 54.5481, 155.8005



79.1933, 54.5481, 95.7028



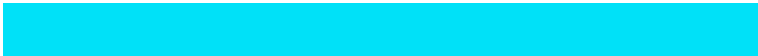
63.3263, 54.5481, 14.2138

Rectangle

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



31.6542, 54.5481, 33.6714



31.8066, 54.5481, 97.4986



79.1933, 54.5481, 95.7028



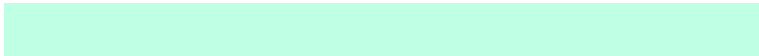
78.9132, 54.5481, 32.7898

Sweetspot

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



31.6556, 54.5503, 33.6727



71.1172, 88.1522, 85.6427



34.3300, 56.4354, 10.9179



14.6372, 18.5801, 17.6965



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.



31.6556, 54.5503, 33.6727



40.7114, 73.5043, 37.8274



37.7298, 53.1762, 77.3854



13.8452, 15.4638, 16.2201



17.6983, 31.9042, 16.6659



1.2716, 2.2294, 1.3916

Inverse Universe

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



34.2092, 18.2730, 19.4955



44.3655, 22.5545, 18.2523



31.5001, 17.7196, 3.5942



13.9598, 13.8016, 15.5585



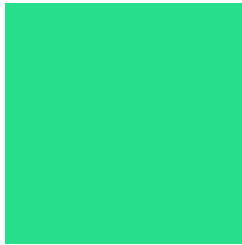
19.2833, 9.7803, 8.1574



1.3812, 0.6957, 0.8001

Previews

White Background



This preview shows how the XYZ color 31.6542, 54.5481, 33.6714 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 31.6542, 54.5481, 33.6714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

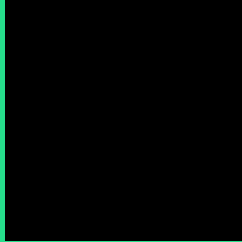
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

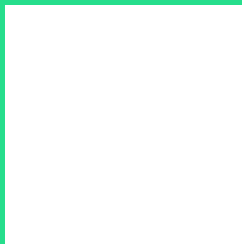
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6542, 54.5481, 33.6714

Background



This preview shows how black text looks on a background with the XYZ color 31.6542, 54.5481, 33.6714.



This preview shows how white text looks on a background with the XYZ color 31.6542, 54.5481,

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

31.6542, 54.5481, 33.6714

Protanopia

49.5446, 53.4001, 28.1180

Deuteranopia

54.3728, 53.1669, 35.4135



Tritanopia

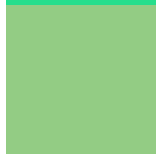
41.1356, 54.1684, 81.6863

Trichromacy



Original Color

31.6542, 54.5481, 33.6714



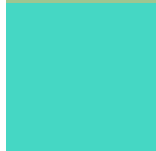
Protanomaly

37.7903, 51.0547, 29.6926



Deuteranomaly

39.4055, 49.7016, 34.3045



Tritanomaly

36.7185, 53.8516, 60.6837

Monochromacy



Original Color

31.6542, 54.5481, 33.6714



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.0492, 38.8595, 35.2477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6542, 54.5481, 33.6714 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(38, 222, 140)` looks like.

```
.text, #text, p{  
    color:rgb(38, 222, 140)  
}
```

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(38, 222, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 222, 140) }
```

Border

The CSS property to change the border of an element to XYZ 31.6542, 54.5481, 33.6714 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(38, 222, 140) }
```


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

```
.border{ border-color:rgb(38, 222, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 222, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 222, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 222, 140);  
box-shadow:4px 4px 4px 4px rgb(38, 222,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6542, 54.5481, 33.6714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 222, 140) }
```

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

```
.background{ background-color: rgb(38, 222,  
140) }
```

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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