

# Converting Colors

XYZ(31.7064, 54.5491, 34.8445)

Have a look what the booklet for  
XYZ(31.7064, 54.5491, 34.8445)  
contains.

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# Color

**XYZ(31.7064, 54.5491,  
34.8445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21DE8F
RGB	33, 222, 143
RGB Percent	13%, 87%, 56%
CMY	0.8706, 0.1294, 0.4392
CMYK	0.85, 0.00, 0.36, 0.13
HSL	155°, 74%, 50%
HSV	155°, 85%, 87%
XYZ	31.7064, 54.5491, 34.8445
YIQ	156.4830, -87.2850, -64.6370

# Conversions

## Conversions Part 2

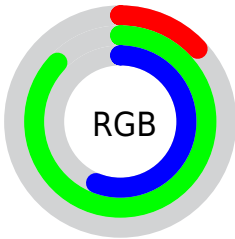
Format	Color
<a href="#">RYB</a>	<a href="#">33, 152, 222</a>
Decimal	<a href="#">2219663</a>
CIELab	<a href="#">78.78, -61.77, 26.61</a>
CIELCh	<a href="#">79, 67.259, 156.690</a>
Yxy	<a href="#">54.5491, 0.2618, 0.4504</a>
Android (android.graphics.Color)	<a href="#">4280409743 (0xFF21DE8F)</a>
YUV	<a href="#">156.4830, -6.6471, -108.2946</a>
Hunter-Lab	<a href="#">73.8574, -52.6217, 23.7283</a>

# Details

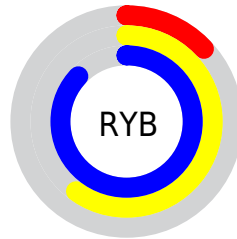
The XYZ color **31.7064, 54.5491, 34.8445** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **33.5946, 17.7884, 16.9947**, and the grayscale version is **31.8744, 33.5343, 36.5189**.

A 20% lighter version of the original color is **52.7775, 79.1286, 65.3150**, and **15.3869, 27.6830, 14.6576** is the 20% darker color. If you saturate the color by 10%, you get **30.5415, 54.0279, 31.2716**, and if you desaturate by 10%, it is **33.3999, 55.3389, 38.7482**.

# Distribution



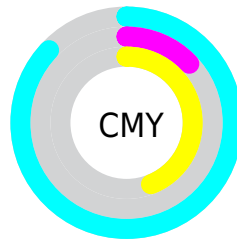
- Red (13%)
- Green (87%)
- Blue (56%)



- Red (13%)
- Yellow (60%)
- Blue (87%)



- Cyan (85%)
- Magenta (0%)
- Yellow (36%)
- Black (13%)




- Cyan (87%)
- Magenta (13%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7064, 54.5491, 34.8445 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 31.7064, 54.5491, 34.8445 by changing the saturation by 10% instead.




 31.7064, 54.5491,  
34.8445


 31.7064, 54.5491,  
34.8445


301.5487,  
404.2004, 338.7648


 21.2918, 39.0408,  
23.2605


 61.7188, 96.8800,  
68.3936


 13.4511, 26.7915,  
14.5789


 82.0474, 124.4714,  
91.1959


 7.8191, 17.4167,  
8.3811


 106.4113,  
156.8594, 118.5746

 4.0302, 10.5320,  
4.2485

 135.1759,  
194.4282, 150.9484

 1.7192, 5.7531,  
1.7626

 168.7066,  
237.5623, 188.7358

 0.4683, 2.6955,  
0.4031

207.3688,

 0.0000, 0.9749,

286.6461, 232.3553

0.0000

251.5277,  
342.0641, 282.2254

■ 0.0000, 0.0000,  
0.0000

■ 31.7064, 54.5491,  
34.8445

■ 31.7064, 54.5491,  
34.8445

■ 30.5415, 54.0279,  
31.2716

■ 33.3999, 55.3389,  
38.7482

■ 30.0984, 53.8350,  
29.6452

■ 35.6986, 56.4325,  
42.9897

■ 38.6702, 57.8659,  
47.5802

■ 42.3719, 59.6685,  
52.5290

■ 46.8545, 61.8663,  
57.8449

■ 52.1640, 64.4830,  
63.5363

■ 58.3429, 67.5403,  
69.6112

■ 65.4306, 71.0583,  
76.0774

■ 73.4639, 75.0560,  
82.9423

# Harmonies

## Analogous

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



38.0027, 54.5491, 17.8604



31.7064, 54.5491, 34.8445



30.3461, 54.5491, 68.3550

# Triad

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



31.7064, 54.5491, 34.8445



54.8882, 54.5491, 166.0658



75.2115, 54.5491, 25.4685

# Complementary

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



31.7064, 54.5491, 34.8445



33.5946, 17.7884, 16.9947

# 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.



81.6658, 54.5491, 51.2538



31.7064, 54.5491, 34.8445



68.7019, 54.5491, 139.7472

# Square

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



31.7064, 54.5491, 34.8445



42.3601, 54.5491, 155.4132



79.0997, 54.5491, 93.3976



62.6547, 54.5491, 14.2934

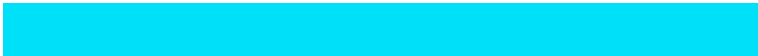


# Rectangle

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



31.7064, 54.5491, 34.8445



32.1686, 54.5491, 98.8009



79.0997, 54.5491, 93.3976



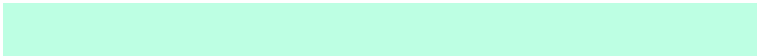
78.2566, 54.5491, 32.1682

# Sweetspot

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



31.7078, 54.5513, 34.8458



70.5766, 87.8624, 86.1197



33.4548, 55.9929, 10.4838



14.5443, 18.5289, 17.8425



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.



31.7078, 54.5513, 34.8458



41.1377, 73.6711, 40.2386



36.7125, 51.3970, 77.0956



13.8616, 15.4704, 16.3065



17.9338, 31.9984, 17.9062



1.2874, 2.2357, 1.4747



# Inverse Universe

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



33.5946, 17.7884, 16.9947



43.8724, 22.3130, 15.7920



31.3617, 17.5635, 3.1765



13.9437, 13.7951, 15.4737



19.1140, 9.7126, 7.2663

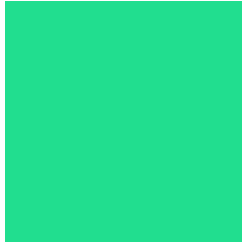


1.3688, 0.6908, 0.7349



# Previews

## White Background



This preview shows how the XYZ color 31.7064, 54.5491, 34.8445 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 31.7064, 54.5491, 34.8445 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 31.7064, 54.5491, 34.8445**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.7064, 54.5491, 34.8445.



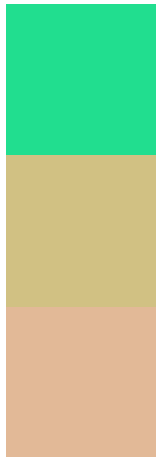
This preview shows how white text looks on a background with the XYZ color 31.7064, 54.5491,



# 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

31.7064, 54.5491, 34.8445

### Protanopia

49.4612, 53.3339, 29.1603

### Deuteranopia

54.2989, 53.1010, 36.6658



## Tritanopia

41.2536, 54.5831, 82.4900

# Trichromacy



## Original Color

31.7064, 54.5491, 34.8445



## Protanomaly

37.6431, 50.9547, 30.7729



## Deuteranomaly

39.2497, 49.5942, 35.5209



## Tritanomaly

36.9289, 54.3128, 61.9631

# Monochromacy



## Original Color

31.7064, 54.5491, 34.8445



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

28.4627, 38.2564, 35.1622

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.7064, 54.5491, 34.8445 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(33, 222, 143)` looks like.

```
.text, #text, p{  
    color:rgb(33, 222, 143)  
}
```

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(33, 222, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 222, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 31.7064, 54.5491, 34.8445 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(33, 222, 143) }
```



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

```
.border{ border-color:rgb(33, 222, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 222, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 222, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 222, 143);  
box-shadow:4px 4px 4px 4px rgb(33, 222,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.7064, 54.5491, 34.8445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 222, 143) }
```

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

```
.background{ background-color: rgb(33, 222,  
143) }
```

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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