

Converting Colors

XYZ(33.6893, 61.4422, 28.2133)

Have a look what the booklet for
XYZ(33.6893, 61.4422, 28.2133)
contains.

XYZ(33.7152, 61.5098, 28.1848)	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(33.7152, 61.5098,
28.1848)**

Conversions

Conversions Part 1

Format	Color
Hex	13EC79
RGB	19, 236, 121
RGB Percent	7%, 93%, 47%
CMY	0.9255, 0.0745, 0.5255
CMYK	0.92, 0.00, 0.49, 0.07
HSL	148°, 85%, 50%
HSV	148°, 92%, 93%
XYZ	33.7152, 61.5098, 28.1848
YIQ	158.0070, -92.4170, -81.7690

Conversions

Conversions Part 2

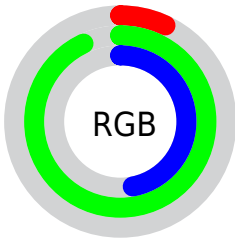
Format	Color
RYB	19, 167, 236
Decimal	1305721
CIELab	82.65, -71.28, 42.63
CIELCh	83, 83.056, 149.120
Yxy	61.5098, 0.2732, 0.4984
Android (android.graphics.Color)	4279495801 (0xFF13EC79)
YUV	158.0070, -18.2445, -121.9091
Hunter-Lab	78.4282, -60.5146, 33.5926

Details

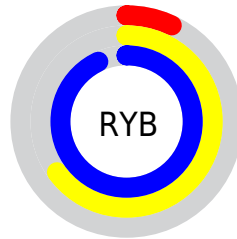
The XYZ color **33.7152, 61.5098, 28.1848** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **39.1302, 20.0211, 24.3602**, and the grayscale version is **32.6150, 34.3135, 37.3674**.

A 20% lighter version of the original color is **50.4373, 78.1926, 52.9918**, and **16.9946, 32.2705, 10.9633** is the 20% darker color. If you saturate the color by 10%, you get **32.8619, 61.1393, 25.0874**, and if you desaturate by 10%, it is **35.2456, 62.2060, 32.5251**.

Distribution



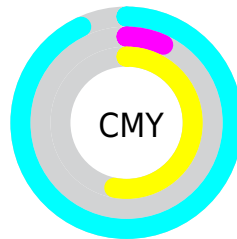
- Red (7%)
- Green (93%)
- Blue (47%)



- Red (7%)
- Yellow (65%)
- Blue (93%)



- Cyan (92%)
- Magenta (0%)
- Yellow (49%)
- Black (7%)





- Cyan (93%)
- Magenta (7%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7152, 61.5098, 28.1848 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 33.7152, 61.5098, 28.1848 by changing the saturation by 10% instead.


 33.7152, 61.5098,
28.1848


 33.7152, 61.5098,
28.1848


310.4686,
430.1407, 307.2886

 22.8367, 44.6367,
18.2248


 64.8378, 107.0167,
57.8060


 14.5930, 31.1714,
10.9404


 85.8126, 136.4194,
78.3042


 8.6187, 20.7294,
5.9131


 110.8836,
170.7674, 103.1523

 4.5484, 12.9263,
2.7244

 140.4161,
210.4450, 132.7687

 2.0168, 7.3778,
0.9557

 174.7755,
255.8368, 167.5720

 0.6434, 3.6995,
0.0000

214.3272,

 0.0000, 1.5069,

307.3271, 207.9807

0.0000

259.4364,
365.3003, 254.4134

■ 0.0000, 0.2936,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.7152, 61.5098,
28.1848

■ 33.7152, 61.5098,
28.1848


■ 32.8619, 61.1393,
25.0874


■ 35.2456, 62.2060,
32.5251


■ 37.4473, 63.2347,
37.4334


■ 40.4116, 64.6442,
42.9332


■ 44.2136, 66.4728,
49.0450

 48.9187, 68.7540,
55.7881

 54.5858, 71.5178,
63.1808

 61.2684, 74.7913,
71.2408

 69.0161, 78.5998,
79.9847

 77.8749, 82.9669,
89.4290

Harmonies

Analogous

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



43.3265, 61.5098, 12.6274



33.7152, 61.5098, 28.1848



30.4640, 61.5098, 65.4783

Triad

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



33.7152, 61.5098, 28.1848



57.9387, 61.5098, 220.7646



93.7876, 61.5098, 29.6758

Complementary

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



33.7152, 61.5098, 28.1848



39.1302, 20.0211, 24.3602

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.



99.8417, 61.5098, 68.4917



33.7152, 61.5098, 28.1848



76.7691, 61.5098, 194.4447

Square

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



33.7152, 61.5098, 28.1848



42.5846, 61.5098, 191.3946



93.0685, 61.5098, 131.0020



77.8670, 61.5098, 13.1293

Rectangle

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



33.7152, 61.5098, 28.1848



31.7015, 61.5098, 104.5238



93.0685, 61.5098, 131.0020



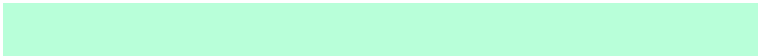
97.1716, 61.5098, 39.7035

Sweetspot

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



33.7167, 61.5123, 28.1862



67.9767, 86.6791, 78.9028



40.0641, 65.1696, 11.0839



13.8492, 18.2102, 16.0221



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.



33.7167, 61.5123, 28.1862



39.1415, 72.8726, 29.7268



44.3762, 65.7761, 84.3183



15.1630, 16.9800, 17.5413



18.1777, 33.7255, 14.1665



1.4756, 2.6676, 1.3665

Inverse Universe

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



39.1302, 20.0211, 24.3602



45.6232, 23.0133, 25.0118



35.0156, 18.3753, 2.6928



15.3991, 15.1875, 17.3869



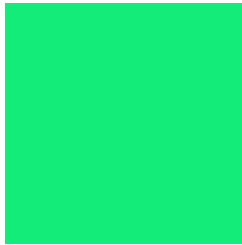
21.1769, 10.6734, 11.9986



1.7115, 0.8575, 1.1979

Previews

White Background



This preview shows how the XYZ color 33.7152, 61.5098, 28.1848 looks on a white background.

Color Contrast Check

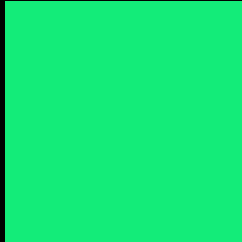
Large Text (above 18pt) WCAG AA × Fail

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 33.7152, 61.5098, 28.1848 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 33.7152, 61.5098, 28.1848

Background



This preview shows how black text looks on a background with the XYZ color 33.7152, 61.5098, 28.1848.

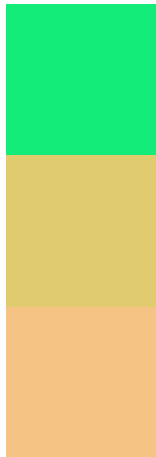


This preview shows how white text looks on a background with the XYZ color 33.7152, 61.5098,

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

33.7152, 61.5098, 28.1848

Protanopia

55.1478, 60.1588, 23.4571

Deuteranopia

61.2680, 60.0814, 29.8404



Tritanopia

46.5792, 61.3504, 92.6059

Trichromacy



Original Color

33.7152, 61.5098, 28.1848



Protanomaly

39.9876, 56.7162, 24.7593



Deuteranomaly

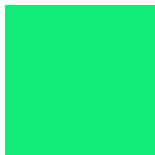
41.9816, 55.4120, 28.5616



Tritanomaly

40.0014, 60.6418, 62.4201

Monochromacy



Original Color

33.7152, 61.5098, 28.1848



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

28.7331, 40.2879, 33.0500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7152, 61.5098, 28.1848 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(19, 236, 121)` looks like.

```
.text, #text, p{  
    color:rgb(19, 236, 121)  
}
```

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(19, 236, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 236, 121) }
```

Border

The CSS property to change the border of an element to XYZ 33.7152, 61.5098, 28.1848 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(19, 236, 121) }
```


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

```
.border{ border-color:rgb(19, 236, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 236, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 236, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 236, 121);  
box-shadow:4px 4px 4px 4px rgb(19, 236,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7152, 61.5098, 28.1848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 236, 121) }
```

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

```
.background{ background-color: rgb(19, 236,  
121) }
```

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