

Converting Colors

XYZ(33.9532, 59.7591, 36.1307)

Have a look what the booklet for
XYZ(33.9532, 59.7591, 36.1307)
contains.

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Color

**XYZ(33.9532, 59.7591,
36.1307)**

Conversions

Conversions Part 1

Format	Color
Hex	05E890
RGB	5, 232, 144
RGB Percent	2%, 91%, 56%
CMY	0.9803, 0.0902, 0.4353
CMYK	0.98, 0.00, 0.38, 0.09
HSL	157°, 96%, 46%
HSV	157°, 98%, 91%
XYZ	33.9532, 59.7591, 36.1307
YIQ	154.0950, -107.0440, -75.4920

Conversions

Conversions Part 2

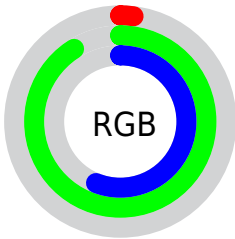
Format	Color
RYB	5, 146, 232
Decimal	387216
CIELab	81.71, -66.38, 30.00
CIELCh	82, 72.841, 155.681
Yxy	59.7591, 0.2615, 0.4602
Android (android.graphics.Color)	4278577296 (0xFF05E890)
YUV	154.0950, -4.9768, -130.7563
Hunter-Lab	77.3040, -56.8819, 26.4016

Details

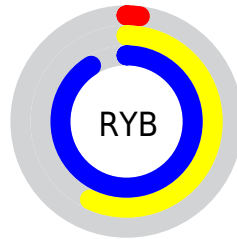
The XYZ color **33.9532, 59.7591, 36.1307** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **35.3110, 18.0560, 11.9843**, and the grayscale version is **30.8148, 32.4195, 35.3049**.

A 20% lighter version of the original color is **52.3835, 78.9122, 65.8968**, and **17.3058, 31.4503, 15.5143** is the 20% darker color. If you saturate the color by 10%, you get **33.7445, 59.6701, 35.3528**, and if you desaturate by 10%, it is **35.0921, 60.2652, 39.9186**.

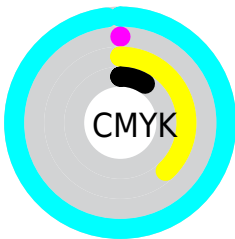
Distribution



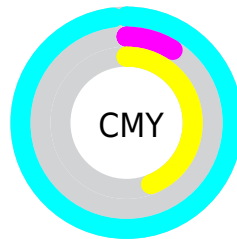
- Red (2%)
- Green (91%)
- Blue (56%)



- Red (2%)
- Yellow (57%)
- Blue (91%)



- Cyan (98%)
- Magenta (0%)
- Yellow (38%)
- Black (9%)





- Cyan (98%)
- Magenta (9%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9532, 59.7591, 36.1307 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 33.9532, 59.7591, 36.1307 by changing the saturation by 10% instead.


 33.9532, 59.7591,
36.1307


 33.9532, 59.7591,
36.1307


311.5129,
423.7093, 344.5861


 23.0204, 43.2245,
24.2447


 65.2057, 104.4801,
70.4051


 14.7293, 30.0613,
15.3013


 86.2560, 133.4353,
93.6305


 8.7147, 19.8851,
8.8822


 111.4095,
167.2996, 121.4728

 4.6112, 12.3116,
4.5686

 141.0317,
206.4571, 154.3504

 2.0534, 6.9562,
1.9422

 175.4877,
251.2925, 192.6821

 0.6637, 3.4347,
0.5194

215.1430,

 0.0000, 1.3627,

302.1901, 236.8862

0.0000

260.3630,
359.5342, 287.3814

■ 0.0000, 0.1890,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.9532, 59.7591,
36.1307

■ 33.9532, 59.7591,
36.1307

■ 33.7445, 59.6701,
35.3528

■ 35.0921, 60.2652,
39.9186

■ 36.7650, 61.0385,
44.0225

■ 39.0790, 62.1357,
48.4550

■ 42.1115, 63.5965,
53.2258

■ 45.9282, 65.4548,
58.3437

■ 50.5873, 67.7403,
63.8171

■ 56.1411, 70.4800,
69.6541

■ 62.6376, 73.6984,
75.8623

■ 70.1213, 77.4183,
82.4490

Harmonies

Analogous

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



41.2850, 59.7591, 17.7685



33.9532, 59.7591, 36.1307



32.2302, 59.7591, 73.7858

Triad

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



33.9532, 59.7591, 36.1307



59.7670, 59.7591, 190.3787



84.2589, 59.7591, 27.2090

Complementary

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



33.9532, 59.7591, 36.1307



35.3110, 18.0560, 11.9843

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.



91.4630, 59.7591, 57.0645



33.9532, 59.7591, 36.1307



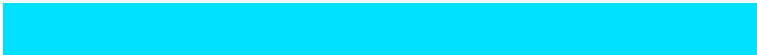
75.7818, 59.7591, 160.5258

Square

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



33.9532, 59.7591, 36.1307



45.5064, 59.7591, 176.2698



88.1110, 59.7591, 106.3829



69.8210, 59.7591, 14.4785

Rectangle

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



33.9532, 59.7591, 36.1307



34.1638, 59.7591, 108.9276



88.1110, 59.7591, 106.3829



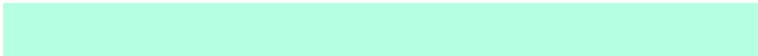
87.7147, 59.7591, 34.9156

Sweetspot

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



33.9547, 59.7615, 36.1321



68.6006, 86.8589, 85.3390



33.6893, 60.2030, 9.9888



14.0357, 18.2717, 17.5958



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.



33.9547, 59.7615, 36.1321



41.7724, 73.9250, 43.5811



37.5043, 51.6096, 84.3318



14.5583, 16.2367, 17.2047



18.7964, 33.1507, 19.9599



1.4342, 2.4678, 1.7128

Inverse Universe

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



35.3110, 18.0560, 11.9843



43.4855, 22.1582, 13.7548



33.7160, 17.9845, 1.8384



14.6071, 14.4600, 16.1316



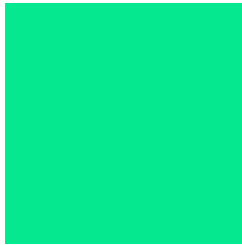
19.5555, 9.9564, 6.5545



1.4895, 0.7535, 0.7182

Previews

White Background



This preview shows how the XYZ color 33.9532, 59.7591, 36.1307 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 33.9532, 59.7591, 36.1307 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 33.9532, 59.7591, 36.1307

Background



This preview shows how black text looks on a background with the XYZ color 33.9532, 59.7591, 36.1307.

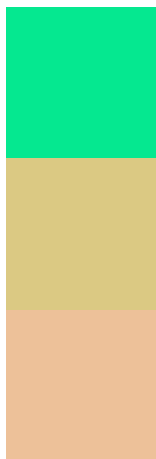


This preview shows how white text looks on a background with the XYZ color 33.9532, 59.7591,

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

33.9532, 59.7591, 36.1307

Protanopia

54.1968, 58.4721, 29.9025

Deuteranopia

59.7448, 58.4444, 38.2690



Tritanopia

45.0037, 59.7839, 90.8289

Trichromacy



Original Color

33.9532, 59.7591, 36.1307



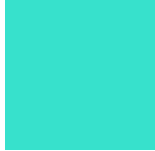
Protanomaly

38.9719, 54.5273, 31.7633



Deuteranomaly

40.9547, 53.6000, 37.0414



Tritanomaly

39.3998, 59.0223, 66.4426

Monochromacy



Original Color

33.9532, 59.7591, 36.1307



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.4885, 38.3672, 34.8110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9532, 59.7591, 36.1307 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(5, 232, 144)` looks like.

```
.text, #text, p{  
    color:rgb(5, 232, 144)  
}
```

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(5, 232, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 232, 144) }
```

Border

The CSS property to change the border of an element to XYZ 33.9532, 59.7591, 36.1307 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(5, 232, 144) }
```


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

```
.border{ border-color:rgb(5, 232, 144) }
```

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

Here you see how a box with a 4 pixel rgb(5, 232, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 232, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 232, 144);  
box-shadow:4px 4px 4px 4px rgb(5, 232,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9532, 59.7591, 36.1307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 232, 144) }
```

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

```
.background{ background-color: rgb(5, 232,  
144) }
```

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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