

Converting Colors

XYZ(35.0354, 62.5384, 34.9000)

Have a look what the booklet for
XYZ(35.0354, 62.5384, 34.9000)
contains.

XYZ(35.0178, 62.4618, 35.0217)	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(35.0178, 62.4618,
35.0217)**

Conversions

Conversions Part 1

Format	Color
Hex	00ED8C
RGB	0, 237, 140
RGB Percent	0%, 93%, 55%
CMY	0.9999, 0.0706, 0.4510
CMYK	1.00, 0.00, 0.41, 0.07
HSL	155°, 100%, 46%
HSV	155°, 100%, 93%
XYZ	35.0178, 62.4618, 35.0217
YIQ	155.0790, -110.1150, -80.4110

Conversions

Conversions Part 2

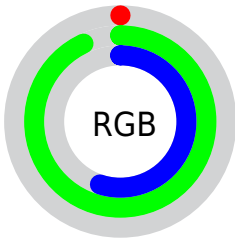
Format	Color
RYB	0, 149, 237
Decimal	60812
CIELab	83.16, -68.96, 33.93
CIELCh	83, 76.859, 153.803
Yxy	62.4618, 0.2643, 0.4714
Android (android.graphics.Color)	4278250892 (0xFF00ED8C)
YUV	155.0790, -7.4339, -136.0043
Hunter-Lab	79.0328, -59.2177, 29.0498

Details

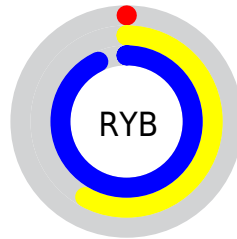
The XYZ color **35.0178, 62.4618, 35.0217** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **37.0852, 18.8691, 13.0017**, and the grayscale version is **31.2609, 32.8889, 35.8160**.

A 20% lighter version of the original color is **52.0531, 78.7945, 63.5043**, and **17.9233, 32.9615, 14.8687** is the 20% darker color. If you saturate the color by 10%, you get **35.0186, 62.4639, 35.0201**, and if you desaturate by 10%, it is **36.1366, 62.9539, 38.9760**.

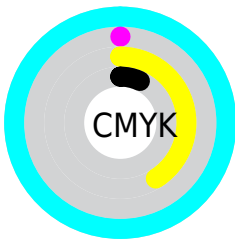
Distribution



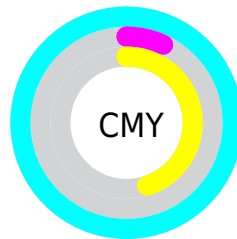
- Red (0%)
- Green (93%)
- Blue (55%)



- Red (0%)
- Yellow (58%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0178, 62.4618, 35.0217 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 35.0178, 62.4618, 35.0217 by changing the saturation by 10% instead.


 35.0178, 62.4618,
35.0217


 35.0178, 62.4618,
35.0217


316.1535,
433.6136, 339.5713


 23.8432, 45.4059,
23.3959


 66.8472, 108.3927,
68.6713


 15.3414, 31.7773,
14.6781


 88.2326, 138.0365,
91.5323


 9.1472, 21.1915,
8.4497

 113.7524,
172.6451, 118.9753

 4.8952, 13.2640,
4.2921

 143.7719,
212.6029, 151.4190

 2.2200, 7.6106,
1.7869

 178.6564,
258.2942, 189.2819

 0.7533, 3.8468,
0.4193

218.7712,

 0.0000, 1.5882,

310.1035, 232.9826

0.0000

264.4818,
368.4152, 282.9395

■ 0.0000, 0.3497,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.0178, 62.4618,
35.0217

■ 35.0178, 62.4618,
35.0217

■ 35.0186, 62.4639,
35.0201

■ 36.1366, 62.9539,
38.9760

■ 37.7703, 63.7023,
43.2904

■ 40.0640, 64.7833,
47.9809

■ 43.1032, 66.2408,
53.0592

■ 46.9594, 68.1116,
58.5360

■ 51.6958, 70.4279,
64.4214

■ 57.3688, 73.2188,
70.7249

■ 64.0302, 76.5108,
77.4557

■ 71.7277, 80.3283,
84.6227

Harmonies

Analogous

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



43.2731, 62.4618, 16.7182



35.0178, 62.4618, 35.0217



32.8019, 62.4618, 74.2765

Triad

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



35.0178, 62.4618, 35.0217



61.5175, 62.4618, 206.7275



90.1568, 62.4618, 28.6795

Complementary

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



35.0178, 62.4618, 35.0217



37.0852, 18.8691, 13.0017

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.



97.4024, 62.4618, 62.1068



35.0178, 62.4618, 35.0217



79.0282, 62.4618, 176.2495

Square

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



35.0178, 62.4618, 35.0217



46.3216, 62.4618, 187.9772



92.9923, 62.4618, 117.0722



74.6594, 62.4618, 14.4430

Rectangle

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



35.0178, 62.4618, 35.0217



34.6214, 62.4618, 112.1521



92.9923, 62.4618, 117.0722



93.7574, 62.4618, 37.3017

Sweetspot

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



35.0194, 62.4643, 35.0231



67.6472, 86.4091, 83.4122



35.4051, 63.2100, 10.3353



13.8440, 18.1821, 17.1668



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.



35.0194, 62.4643, 35.0231



41.3155, 73.7422, 41.1748



40.1656, 55.8722, 88.7912



15.2417, 17.0115, 17.9555



19.1849, 34.1284, 19.4707



1.5540, 2.6989, 1.7794

Inverse Universe

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



37.0852, 18.8691, 13.0017



43.7578, 22.2671, 15.1885



35.1725, 18.4974, 1.7171



15.3211, 15.1563, 16.9760



20.3074, 10.3256, 7.4201



1.6413, 0.8295, 0.8286

Previews

White Background



This preview shows how the XYZ color 35.0178, 62.4618, 35.0217 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 35.0178, 62.4618, 35.0217 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 35.0178, 62.4618, 35.0217

Background



This preview shows how black text looks on a background with the XYZ color 35.0178, 62.4618, 35.0217.

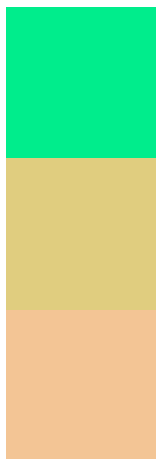


This preview shows how white text looks on a background with the XYZ color 35.0178, 62.4618,

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

35.0178, 62.4618, 35.0217

Protanopia

56.4026, 61.0422, 28.8883

Deuteranopia

62.3532, 61.1571, 36.9519



Tritanopia

46.9406, 62.2999, 94.3451

Trichromacy



Original Color

35.0178, 62.4618, 35.0217



Protanomaly

40.3054, 57.1313, 30.7329



Deuteranomaly

42.2494, 56.1309, 35.8017



Tritanomaly

40.7354, 61.3071, 68.0790

Monochromacy



Original Color

35.0178, 62.4618, 35.0217



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.9996, 39.5526, 35.0128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0178, 62.4618, 35.0217 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(0, 237, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 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(0, 237, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 140) }
```

Border

The CSS property to change the border of an element to XYZ 35.0178, 62.4618, 35.0217 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(0, 237, 140) }
```


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

```
.border{ border-color:rgb(0, 237, 140) }
```

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

Here you see how a box with a 4 pixel rgb(0, 237, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0178, 62.4618, 35.0217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 140) }
```

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

```
.background{ background-color: rgb(0, 237,  
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](#).

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