

# Converting Colors

XYZ(35.8028, 62.8763, 37.5425)

Have a look what the booklet for  
XYZ(35.8028, 62.8763, 37.5425)  
contains.

<b>XYZ(35.7411, 62.7821, 37.4285)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.7411, 62.7821,  
37.4285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13ED92
RGB	19, 237, 146
RGB Percent	7%, 93%, 57%
CMY	0.9254, 0.0706, 0.4274
CMYK	0.92, 0.00, 0.38, 0.07
HSL	155°, 86%, 50%
HSV	155°, 92%, 93%
XYZ	35.7411, 62.7821, 37.4285
YIQ	161.4440, -100.7170, -74.5170

# Conversions

## Conversions Part 2

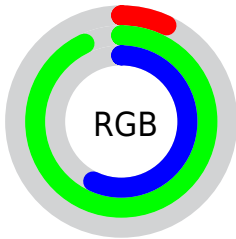
Format	Color
<a href="#">RYB</a>	<a href="#">19, 157, 237</a>
Decimal	<a href="#">1306002</a>
CIELab	<a href="#">83.33, -67.24, 31.15</a>
CIELCh	<a href="#">83, 74.108, 155.142</a>
Yxy	<a href="#">62.7821, 0.2629, 0.4618</a>
Android (android.graphics.Color)	<a href="#">4279496082 (0xFF13ED92)</a>
YUV	<a href="#">161.4440, -7.6139, -124.9234</a>
Hunter-Lab	<a href="#">79.2352, -58.1444, 27.4577</a>

# Details

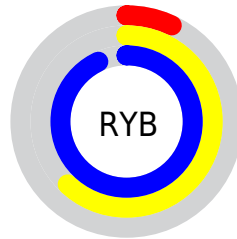
The XYZ color **35.7411, 62.7821, 37.4285** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **37.9751, 19.5978, 16.5389**, and the grayscale version is **34.1544, 35.9331, 39.1311**.

A 20% lighter version of the original color is **53.2420, 79.3145, 67.7614**, and **18.3416, 33.4507, 16.0796** is the 20% darker color. If you saturate the color by 10%, you get **34.8773, 62.4074, 34.2761**, and if you desaturate by 10%, it is **37.2618, 63.4749, 41.6946**.

# Distribution



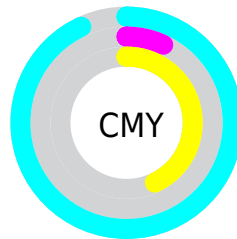
- Red (7%)
- Green (93%)
- Blue (57%)



- Red (7%)
- Yellow (62%)
- Blue (93%)



- Cyan (92%)
- Magenta (0%)
- Yellow (38%)
- Black (7%)




- Cyan (93%)
- Magenta (7%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7411, 62.7821, 37.4285 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 35.7411, 62.7821, 37.4285 by changing the saturation by 10% instead.





 35.7411, 62.7821,  
37.4285


 35.7411, 62.7821,  
37.4285


319.2785,  
434.7783, 350.3864


 24.4035, 45.6650,  
25.2411


 67.9588, 108.8551,  
72.4250


 15.7596, 31.9815,  
16.0361


 89.5695, 138.5797,  
96.0711


 9.4439, 21.3474,  
9.3951


 115.3354,  
173.2756, 124.3739

 5.0913, 13.3782,  
4.8994

 145.6217,  
213.3272, 157.7519

 2.3362, 7.6895,  
2.1307

 180.7938,  
259.1189, 196.6236

 0.8131, 3.8969,  
0.6339

221.2171,

 0.0000, 1.6161,

311.0350, 241.4075

0.0000

267.2569,  
369.4600, 292.5223

■ 0.0000, 0.3684,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.7411, 62.7821,  
37.4285

■ 35.7411, 62.7821,  
37.4285

■ 34.8773, 62.4074,  
34.2761

■ 37.2618, 63.4749,  
41.6946

■ 39.4242, 64.4890,  
46.3456

■ 42.3188, 65.8724,  
51.3952

■ 46.0196, 67.6632,  
56.8549

■ 50.5914, 69.8946,  
62.7352

■ 56.0917, 72.5962,  
69.0464

■ 62.5734, 75.7949,  
75.7981

■ 70.0848, 79.5156,  
82.9995

■ 78.6714, 83.7814,  
90.6598

# Harmonies

## Analogous

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



43.5543, 62.7821, 18.4407



35.7411, 62.7821, 37.4285



33.8251, 62.7821, 76.6255

# Triad

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



35.7411, 62.7821, 37.4285



62.4931, 62.7821, 200.3130



88.7670, 62.7821, 28.9446

# Complementary

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



35.7411, 62.7821, 37.4285



37.9751, 19.5978, 16.5389

# 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.



96.1610, 62.7821, 60.7096



35.7411, 62.7821, 37.4285



79.3449, 62.7821, 169.6353

# Square

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



35.7411, 62.7821, 37.4285



47.5714, 62.7821, 184.6360



92.4356, 62.7821, 112.8618



73.6692, 62.7821, 15.3153



# Rectangle

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



35.7411, 62.7821, 37.4285



35.7873, 62.7821, 113.4204



92.4356, 62.7821, 112.8618



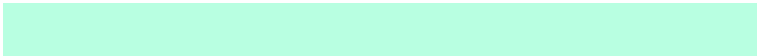
92.3486, 62.7821, 37.1620

# Sweetspot

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



35.7427, 62.7846, 37.4300



69.0484, 87.1078, 84.5465



37.2749, 64.1602, 11.0365



14.1058, 18.3128, 17.3732



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.



35.7427, 62.7846, 37.4300



41.1486, 73.6755, 40.2961



41.8022, 58.7467, 89.2597



15.2363, 17.0093, 17.9273



19.1080, 34.0977, 19.0654



1.5482, 2.6966, 1.7487



# Inverse Universe

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



37.9751, 19.5978, 16.5389



43.8652, 22.3101, 15.7541



35.6033, 19.1708, 2.4408



15.3263, 15.1584, 17.0036



20.3578, 10.3458, 7.6856

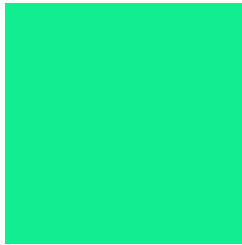


1.6455, 0.8312, 0.8509



# Previews

## White Background



This preview shows how the XYZ color 35.7411, 62.7821, 37.4285 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 35.7411, 62.7821, 37.4285 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

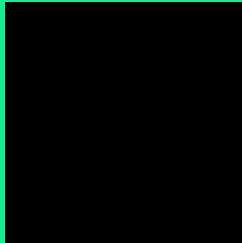
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.7411, 62.7821, 37.4285**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.7411, 62.7821, 37.4285.



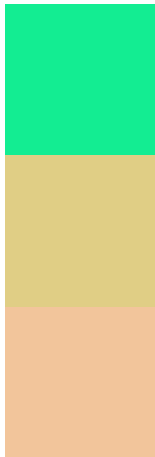
This preview shows how white text looks on a background with the XYZ color 35.7411, 62.7821,



# 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

35.7411, 62.7821, 37.4285

### Protanopia

57.0454, 61.6834, 31.0898

### Deuteranopia

62.5006, 61.1763, 39.5244



## Tritanopia

47.0921, 62.3605, 95.1427

# Trichromacy



## Original Color

35.7411, 62.7821, 37.4285



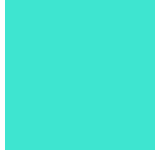
## Protanomaly

41.7947, 57.8502, 33.0082



## Deuteranomaly

43.9089, 56.9310, 38.3803



## Tritanomaly

41.3911, 61.6168, 69.3862

# Monochromacy



## Original Color

35.7411, 62.7821, 37.4285



## Achromatopsia

33.8758, 35.6400, 38.8120



## Achromatomaly

30.5050, 42.0467, 37.9605

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.7411, 62.7821, 37.4285 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, 237, 146)` looks like.

```
.text, #text, p{  
    color:rgb(19, 237, 146)  
}
```

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, 237, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 237, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 35.7411, 62.7821, 37.4285 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, 237, 146) }
```



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

```
.border{ border-color:rgb(19, 237, 146) }
```

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

Here you see how a box with a 4 pixel rgb(19, 237, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 237, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 237, 146);  
box-shadow:4px 4px 4px 4px rgb(19, 237,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.7411, 62.7821, 37.4285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 237, 146) }
```

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

```
.background{ background-color: rgb(19, 237,  
146) }
```

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