

# Converting Colors

XYZ(35.1708, 57.6935, 46.1430)

Have a look what the booklet for  
XYZ(35.1708, 57.6935, 46.1430)  
contains.

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# Color

**XYZ(35.2191, 57.7121,  
46.3291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2AE2A8
RGB	42, 226, 168
RGB Percent	16%, 89%, 66%
CMY	0.8353, 0.1137, 0.3412
CMYK	0.81, 0.00, 0.26, 0.11
HSL	161°, 76%, 53%
HSV	161°, 81%, 89%
XYZ	35.2191, 57.7121, 46.3291
YIQ	164.3720, -91.0460, -57.0460

# Conversions

## Conversions Part 2

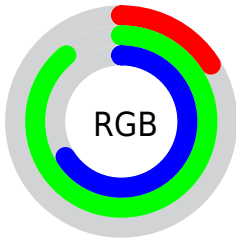
Format	Color
<a href="#">RYB</a>	<a href="#">42, 151, 226</a>
Decimal	<a href="#">2810536</a>
CIELab	<a href="#">80.58, -57.16, 16.09</a>
CIELCh	<a href="#">81, 59.379, 164.281</a>
Yxy	<a href="#">57.7121, 0.2529, 0.4144</a>
Android (android.graphics.Color)	<a href="#">4281000616 (0xFF2AE2A8)</a>
YUV	<a href="#">164.3720, 1.7886, -107.3202</a>
Hunter-Lab	<a href="#">75.9685, -50.1920, 17.0201</a>

# Details

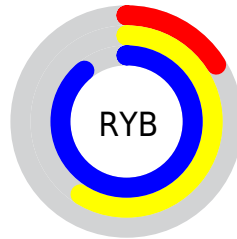
The XYZ color **35.2191, 57.7121, 46.3291** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **34.4943, 18.7463, 13.8598**, and the grayscale version is **35.4888, 37.3370, 40.6599**.

A 20% lighter version of the original color is **56.8250, 80.8408, 82.4209**, and **17.3404, 29.6369, 21.3296** is the 20% darker color. If you saturate the color by 10%, you get **33.8962, 57.1062, 42.8977**, and if you desaturate by 10%, it is **37.1019, 58.6054, 49.9791**.

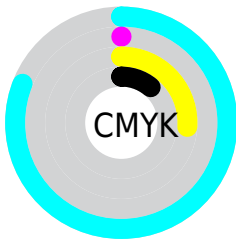
# Distribution



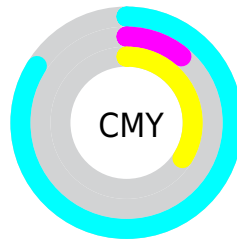
- Red (16%)
- Green (89%)
- Blue (66%)



- Red (16%)
- Yellow (59%)
- Blue (89%)



- Cyan (81%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)




- Cyan (84%)
- Magenta (11%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2191, 57.7121, 46.3291 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 35.2191, 57.7121, 46.3291 by changing the saturation by 10% instead.




 35.2191, 57.7121,  
46.3291


 35.2191, 57.7121,  
46.3291


317.0255,  
416.1123, 388.4461


 23.9990, 41.5772,  
32.1551


 67.1568, 101.5035,  
86.0508


 15.4576, 28.7704,  
21.2142


 88.6052, 129.9288,  
112.4355


 9.2296, 18.9072,  
13.0879


 114.1937,  
163.2197, 143.7275

 4.9495, 11.6032,  
7.3576

 144.2876,  
201.7607, 180.3454

 2.2521, 6.4741,  
3.6049

 179.2524,  
245.9360, 222.7076

 0.7700, 3.1355,  
1.4112

219.4535,

 0.0000, 1.2029,

296.1301, 271.2328

0.1504

265.2560,  
352.7274, 326.3395

■ 0.0000, 0.0640,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.2191, 57.7121,  
46.3291

■ 35.2191, 57.7121,  
46.3291

■ 33.8962, 57.1062,  
42.8977

■ 37.1019, 58.6054,  
49.9791

■ 33.0935, 56.7532,  
40.1146

■ 39.6170, 59.8189,  
53.8502

■ 42.8303, 61.3880,  
57.9497

■ 46.7983, 63.3418,  
62.2830

■ 51.5712, 65.7060,  
66.8552

■ 57.1949, 68.5044,  
71.6712

■ 63.7118, 71.7586,  
76.7356

■ 71.1613, 75.4890,  
82.0527

■ 79.5806, 79.7147,  
87.6270

# Harmonies

## Analogous

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



40.0433, 57.7121, 25.9524



35.2191, 57.7121, 46.3291



35.1057, 57.7121, 80.9228

# Triad

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



35.2191, 57.7121, 46.3291



60.8499, 57.7121, 153.0921



73.4328, 57.7121, 26.6197

# Complementary

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



35.2191, 57.7121, 46.3291



34.4943, 18.7463, 13.8598

# 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.



80.8903, 57.7121, 47.6719



35.2191, 57.7121, 46.3291



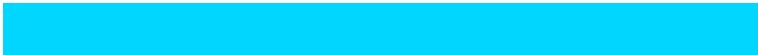
72.9280, 57.7121, 124.2985

# Square

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



35.2191, 57.7121, 46.3291



48.7370, 57.7121, 152.3028



80.6929, 57.7121, 82.8672

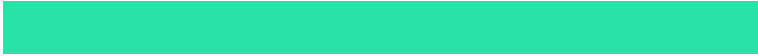


61.4618, 57.7121, 17.7994



# Rectangle

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



35.2191, 57.7121, 46.3291



37.6545, 57.7121, 108.8171



80.6929, 57.7121, 82.8672



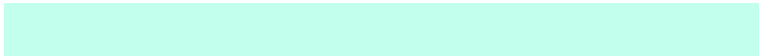
76.6245, 57.7121, 32.0705

# Sweetspot

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



35.2207, 57.7144, 46.3304



73.0547, 89.0020, 92.4630



32.9014, 57.2869, 11.5148



15.0651, 18.7656, 19.3036



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.



35.2207, 57.7144, 46.3304



43.6823, 74.6963, 53.3053



33.5925, 43.8022, 78.6383



13.9231, 15.4950, 16.6301



18.9352, 32.3989, 23.1794



1.3524, 2.2617, 1.8171



# Inverse Universe

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



34.4943, 18.7463, 13.8598



42.8908, 22.0089, 10.3499



34.3500, 21.4700, 4.5251



13.8843, 13.7714, 15.1612



18.5940, 9.5046, 4.5278

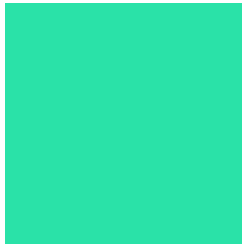


1.3284, 0.6746, 0.5224



# Previews

## White Background



This preview shows how the XYZ color 35.2191, 57.7121, 46.3291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

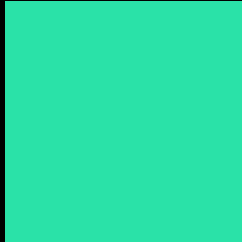
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.2191, 57.7121, 46.3291 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

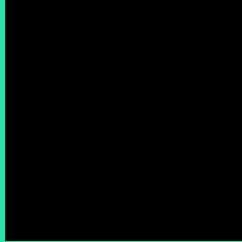
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

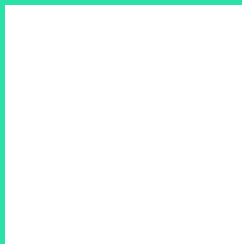
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 35.2191, 57.7121, 46.3291

## Background



This preview shows how black text looks on a background with the XYZ color 35.2191, 57.7121, 46.3291.



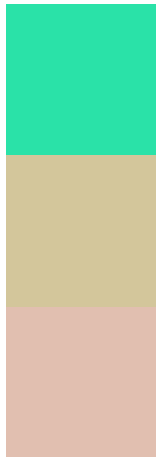
This preview shows how white text looks on a background with the XYZ color 35.2191, 57.7121,



# 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

35.2191, 57.7121, 46.3291

### Protanopia

52.9744, 56.6036, 39.1439

### Deuteranopia

57.5186, 56.4037, 48.9297



## Tritanopia

43.2879, 57.4177, 87.3985

# Trichromacy



## Original Color

35.2191, 57.7121, 46.3291



## Protanomaly

41.4787, 54.1338, 41.5204



## Deuteranomaly

43.2362, 53.4720, 47.5775



## Tritanomaly

39.6658, 57.0828, 70.5555

# Monochromacy



## Original Color

35.2191, 57.7121, 46.3291



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

32.3076, 42.2503, 42.0497

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2191, 57.7121, 46.3291 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(42, 226, 168)` looks like.

```
.text, #text, p{  
    color:rgb(42, 226, 168)  
}
```

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(42, 226, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 226, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2191, 57.7121, 46.3291 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(42, 226, 168) }
```



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

```
.border{ border-color:rgb(42, 226, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 226, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 226, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 226, 168);  
box-shadow:4px 4px 4px 4px rgb(42, 226,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.2191, 57.7121, 46.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 226, 168) }
```

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

```
.background{ background-color: rgb(42, 226,  
168) }
```

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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