

# Converting Colors

XYZ(35.9226, 52.8325, 31.2815)

Have a look what the booklet for  
XYZ(35.9226, 52.8325, 31.2815)  
contains.

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# Color

**XYZ(35.9427, 52.9738,  
31.2523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AD487
RGB	122, 212, 135
RGB Percent	48%, 83%, 53%
CMY	0.5216, 0.1686, 0.4706
CMYK	0.42, 0.00, 0.36, 0.17
HSL	129°, 51%, 65%
HSV	129°, 42%, 83%
XYZ	35.9427, 52.9738, 31.2523
YIQ	176.3120, -28.9230, -43.0270

# Conversions

## Conversions Part 2

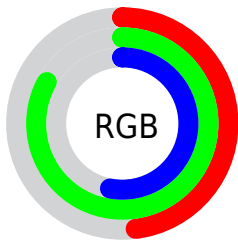
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">122, 201, 212</a>
Decimal	<a href="#">8049799</a>
CIELab	<a href="#">77.86, -43.00, 29.90</a>
CIELCh	<a href="#">78, 52.369, 145.186</a>
Yxy	<a href="#">52.9738, 0.2991, 0.4408</a>
Android (android.graphics.Color)	<a href="#">4286239879 (0xFF7AD487)</a>
YUV	<a href="#">176.3120, -20.3668, -47.6316</a>
Hunter-Lab	<a href="#">72.7831, -39.2212, 25.4897</a>

# Details

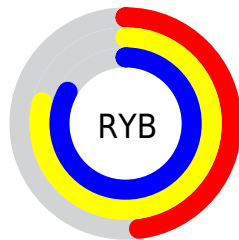
The XYZ color **35.9427, 52.9738, 31.2523** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **44.4214, 32.0407, 57.8778**, and the grayscale version is **41.5447, 43.7082, 47.5982**.

A 20% lighter version of the original color is **63.3054, 84.6591, 61.1484**, and **15.9040, 25.9123, 12.5509** is the 20% darker color. If you saturate the color by 10%, you get **32.0920, 51.1254, 24.9646**, and if you desaturate by 10%, it is **40.6685, 55.2512, 38.7189**.

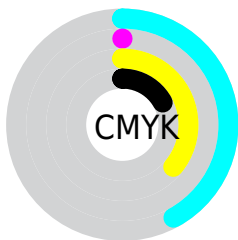
# Distribution



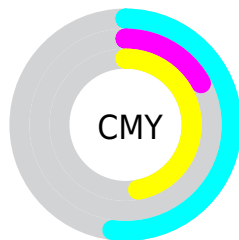
- Red (48%)
- Green (83%)
- Blue (53%)



- Red (48%)
- Yellow (79%)
- Blue (83%)



- Cyan (42%)
- Magenta (0%)
- Yellow (36%)
- Black (17%)




- Cyan (52%)
- Magenta (17%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9427, 52.9738, 31.2523 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 35.9427, 52.9738, 31.2523 by changing the saturation by 10% instead.





 35.9427, 52.9738,  
31.2523


 35.9427, 52.9738,  
31.2523


320.1456,  
398.1846, 322.0861


 24.5598, 37.7819,  
20.5310


 68.2681, 94.5658,  
62.7213

 15.8764, 25.8134,  
12.5937


 89.9413, 121.7347,  
84.3061

 9.5270, 16.6841,  
7.0219


 115.7753,  
153.6646, 110.3490

 5.1464, 10.0095,  
3.3972

146.1356,  
190.7401, 141.2688

 2.3690, 5.4053,  
1.3008

181.3874,  
233.3454, 177.4838

 0.8296, 2.4870,  
0.0625

221.8961,

 0.0000, 0.8701,

281.8650, 219.4127

0.0000

268.0271,  
336.6833, 267.4739

■ 0.0000, 0.0000,  
0.0000

■ 35.9427, 52.9738,  
31.2523

■ 35.9427, 52.9738,  
31.2523

■ 32.0920, 51.1254,  
24.9646

■ 40.6685, 55.2512,  
38.7189

■ 29.0582, 49.6728,  
19.7922

■ 46.3147, 57.9753,  
47.4166

■ 26.7826, 48.5885,  
15.6709


■ 52.9283, 61.1706,  
57.3988


■ 25.1966, 47.8388,  
12.5283


■ 60.5519, 64.8582,  
68.7148

■ 24.2187, 47.3834,  
10.2833

■ 69.2257, 69.0576,  
81.4111

 23.7869, 47.1860,  
9.1246

 78.9874, 73.7875,  
95.5321

 82.8345, 75.5690,  
104.8282

# Harmonies

## Analogous

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



42.4792, 52.9738, 20.3966



35.9427, 52.9738, 31.2523



33.2714, 52.9738, 53.1062

# Triad

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



35.9427, 52.9738, 31.2523



48.7267, 52.9738, 133.4075



70.1975, 52.9738, 36.9807

# Complementary

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



35.9427, 52.9738, 31.2523



44.4214, 32.0407, 57.8778

# 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.



72.4550, 52.9738, 62.5080



35.9427, 52.9738, 31.2523



59.1375, 52.9738, 124.6420

# Square

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



35.9427, 52.9738, 31.2523



39.9916, 52.9738, 116.9504



68.1694, 52.9738, 95.9200



62.3583, 52.9738, 22.8382

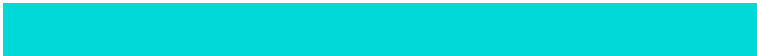


# Rectangle

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



35.9427, 52.9738, 31.2523



33.7392, 52.9738, 73.6264



68.1694, 52.9738, 95.9200



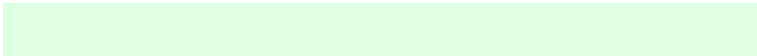
71.6755, 52.9738, 44.2194

# Sweetspot

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



35.9441, 52.9760, 31.2535



79.6536, 92.5520, 86.0779



50.8778, 60.7741, 27.4618



16.5466, 19.5670, 17.6699



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.



35.9441, 52.9760, 31.2535



49.2240, 77.8818, 38.7182



39.7077, 54.4815, 51.0726



12.3348, 13.9249, 13.5774



14.7066, 29.1380, 5.7508



0.9110, 1.7670, 0.4729



# Inverse Universe

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



44.4214, 32.0407, 57.8778



63.7387, 41.9831, 84.2641



40.0288, 30.2836, 34.7469



12.8723, 12.6004, 15.2678



21.9635, 10.7217, 28.1755



1.3463, 0.6553, 1.8130



# Previews

## White Background



This preview shows how the XYZ color 35.9427, 52.9738, 31.2523 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 35.9427, 52.9738, 31.2523 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 35.9427, 52.9738, 31.2523**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.9427, 52.9738, 31.2523.



This preview shows how white text looks on a background with the XYZ color 35.9427, 52.9738,



# 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

35.9427, 52.9738, 31.2523

### Protanopia

48.4091, 52.1779, 27.2586

### Deuteranopia

53.1052, 51.9588, 32.4294



## Tritanopia

44.5906, 52.8785, 74.1861

# Trichromacy



## Original Color

35.9427, 52.9738, 31.2523



## Protanomaly

42.5173, 51.7789, 28.5223



## Deuteranomaly

44.6910, 51.1390, 31.9414



## Tritanomaly

40.8213, 52.7600, 55.6091

# Monochromacy



## Original Color

35.9427, 52.9738, 31.2523



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

38.3409, 46.0363, 40.5833

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.9427, 52.9738, 31.2523 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(122, 212, 135)` looks like.

```
.text, #text, p{  
    color:rgb(122, 212, 135)  
}
```

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(122, 212, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 212, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 35.9427, 52.9738, 31.2523 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(122, 212, 135) }
```



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

```
.border{ border-color:rgb(122, 212, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 212, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 212, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 212, 135);  
box-shadow:4px 4px 4px 4px rgb(122, 212,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.9427, 52.9738, 31.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 212, 135) }
```

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

```
.background{ background-color: rgb(122,  
212, 135) }
```

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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