

Converting Colors

XYZ(35.8163, 51.9889, 33.8476)

Have a look what the booklet for
XYZ(35.8163, 51.9889, 33.8476)
contains.

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Color

**XYZ(35.8142, 52.1111,
33.7620)**

Conversions

Conversions Part 1

Format	Color
Hex	79D28E
RGB	121, 210, 142
RGB Percent	47%, 82%, 56%
CMY	0.5255, 0.1765, 0.4431
CMYK	0.42, 0.00, 0.32, 0.18
HSL	134°, 50%, 65%
HSV	134°, 42%, 82%
XYZ	35.8142, 52.1111, 33.7620
YIQ	175.6370, -31.2160, -40.0160

Conversions

Conversions Part 2

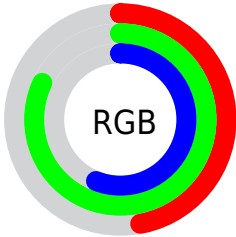
Format	Color
RYB	121, 193, 210
Decimal	7983758
CIELab	77.35, -41.22, 25.57
CIELCh	77, 48.508, 148.182
Yxy	52.1111, 0.2943, 0.4282
Android (android.graphics.Color)	4286173838 (0xFF79D28E)
YUV	175.6370, -16.5830, -47.9166
Hunter-Lab	72.1880, -37.7709, 22.8020

Details

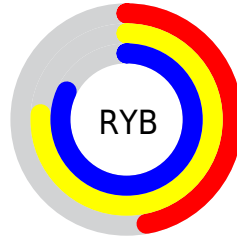
The XYZ color **35.8142, 52.1111, 33.7620** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **42.6027, 31.0515, 51.8941**, and the grayscale version is **41.1741, 43.3184, 47.1737**.

A 20% lighter version of the original color is **63.8553, 84.8526, 65.2372**, and **15.8564, 25.3563, 13.9561** is the 20% darker color. If you saturate the color by 10%, you get **32.0663, 50.3098, 27.7447**, and if you desaturate by 10%, it is **40.3788, 54.3163, 40.7250**.

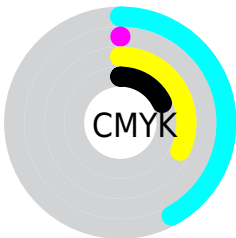
Distribution



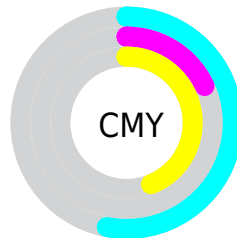
- Red (47%)
- Green (82%)
- Blue (56%)



- Red (47%)
- Yellow (76%)
- Blue (82%)



- Cyan (42%)
- Magenta (0%)
- Yellow (32%)
- Black (18%)





- Cyan (53%)
- Magenta (18%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8142, 52.1111, 33.7620 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 35.8142, 52.1111, 33.7620 by changing the saturation by 10% instead.


 35.8142, 52.1111,
33.7620


 35.8142, 52.1111,
33.7620


319.5931,
394.8654, 333.8062


 24.4602, 37.0936,
22.4349


 68.0709, 93.2951,
66.6930

 15.8019, 25.2800,
13.9755


 89.7044, 120.2304,
89.1341

 9.4740, 16.2858,
7.9651


 115.4950,
151.9071, 116.1169

 5.1112, 9.7266,
3.9851

145.8081,
188.7096, 148.0600

 2.3481, 5.2181,
1.6172

181.0091,
231.0222, 185.3820

 0.8191, 2.3758,
0.3030

221.4634,

 0.0000, 0.8134,

279.2295, 228.5013

0.0000

267.5363,
333.7157, 277.8365

■ 0.0000, 0.0000,
0.0000

■ 35.8142, 52.1111,
33.7620

■ 35.8142, 52.1111,
33.7620

■ 32.0663, 50.3098,
27.7447

■ 40.3788, 54.3163,
40.7250

■ 29.0817, 48.8813,
22.6289

■ 45.8013, 56.9415,
48.6685

■ 26.8069, 47.8005,
18.3718


■ 52.1247, 60.0095,
57.6299


■ 25.1793, 47.0360,
14.9259

■ 59.3880, 63.5398,
67.6434


■ 24.1246, 46.5507,
12.2389

■ 67.6280, 67.5506,
78.7418

 23.6137, 46.3216,
10.6636

 76.8795, 72.0591,
90.9564

 82.2280, 74.5314,
104.0857

 82.3376, 74.5752,
104.6625

Harmonies

Analogous

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



41.5423, 52.1111, 22.4682



35.8142, 52.1111, 33.7620



33.6960, 52.1111, 55.1282

Triad

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



35.8142, 52.1111, 33.7620



48.9639, 52.1111, 125.0170



67.0577, 52.1111, 35.7957

Complementary

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



35.8142, 52.1111, 33.7620



42.6027, 31.0515, 51.8941

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.



69.6791, 52.1111, 58.3832



35.8142, 52.1111, 33.7620



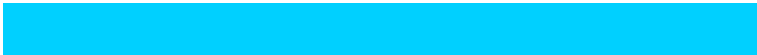
58.4812, 52.1111, 115.0401

Square

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



35.8142, 52.1111, 33.7620



40.6730, 52.1111, 112.4527



66.3646, 52.1111, 88.3145



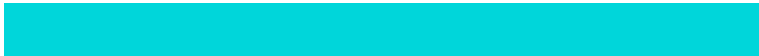
59.5876, 52.1111, 23.3573

Rectangle

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



35.8142, 52.1111, 33.7620



34.3856, 52.1111, 74.3018



66.3646, 52.1111, 88.3145



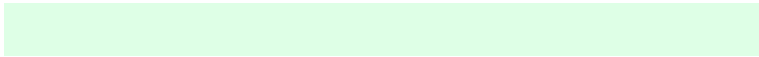
68.5733, 52.1111, 42.1896

Sweetspot

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



35.8156, 52.1133, 33.7632



80.0752, 92.7207, 88.2981



47.5439, 58.3248, 26.8415



16.6494, 19.6082, 18.2112



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.



35.8156, 52.1133, 33.7632



50.1801, 78.2642, 43.7529



39.8246, 53.7169, 54.8744



11.7690, 13.2513, 13.1399



14.4362, 28.2674, 6.6771



0.8388, 1.5932, 0.5398

Inverse Universe

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



42.6027, 31.0515, 51.8941



62.0644, 41.3134, 75.4475



38.5074, 29.4134, 30.3290



12.1865, 11.9594, 14.2581



20.1475, 9.9319, 21.4809



1.1561, 0.5672, 1.3568

Previews

White Background



This preview shows how the XYZ color 35.8142, 52.1111, 33.7620 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 35.8142, 52.1111, 33.7620 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 35.8142, 52.1111, 33.7620

Background



This preview shows how black text looks on a background with the XYZ color 35.8142, 52.1111, 33.7620.



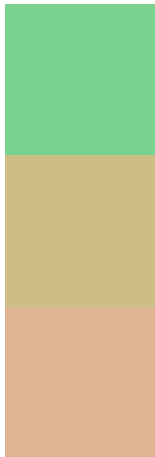
This preview shows how white text looks on a background with the XYZ color 35.8142, 52.1111,

33.7620.

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

35.8142, 52.1111, 33.7620

Protanopia

47.8239, 51.4995, 29.6101

Deuteranopia

52.1974, 51.1236, 35.1337



Tritanopia

43.7276, 52.1014, 73.3975

Trichromacy



Original Color

35.8142, 52.1111, 33.7620



Protanomaly

41.8657, 50.7087, 30.8738



Deuteranomaly

44.0455, 50.0889, 34.5408



Tritanomaly

40.2472, 51.7287, 56.5786

Monochromacy



Original Color

35.8142, 52.1111, 33.7620



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.3944, 45.7147, 41.9222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8142, 52.1111, 33.7620 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(121, 210, 142)` looks like.

```
.text, #text, p{  
    color:rgb(121, 210, 142)  
}
```

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(121, 210, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 210, 142) }
```

Border

The CSS property to change the border of an element to XYZ 35.8142, 52.1111, 33.7620 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(121, 210, 142) }
```


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

```
.border{ border-color:rgb(121, 210, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 210, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 210, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 210, 142); box-shadow:4px 4px 4px 4px rgb(121, 210, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8142, 52.1111, 33.7620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 210, 142) }
```

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

```
.background{ background-color: rgb(121,  
210, 142) }
```

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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