

Converting Colors

XYZ(36.9048, 52.4851, 33.9212)

Have a look what the booklet for
XYZ(36.9048, 52.4851, 33.9212)
contains.

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Color

**XYZ(36.7362, 52.2210,
33.7347)**

Conversions

Conversions Part 1

Format	Color
Hex	81D18E
RGB	129, 209, 142
RGB Percent	51%, 82%, 56%
CMY	0.4941, 0.1804, 0.4431
CMYK	0.38, 0.00, 0.32, 0.18
HSL	130°, 47%, 66%
HSV	130°, 38%, 82%
XYZ	36.7362, 52.2210, 33.7347
YIQ	177.4420, -26.1730, -37.7970

Conversions

Conversions Part 2

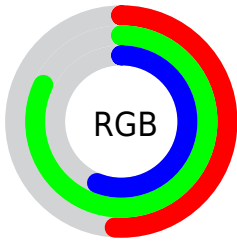
Format	Color
RYB	129, 198, 209
Decimal	8507790
CIELab	77.41, -38.43, 25.72
CIELCh	77, 46.244, 146.202
Yxy	52.2210, 0.2994, 0.4256
Android (android.graphics.Color)	4286697870 (0xFF81D18E)
YUV	177.4420, -17.4729, -42.4836
Hunter-Lab	72.2641, -35.7199, 22.9068

Details

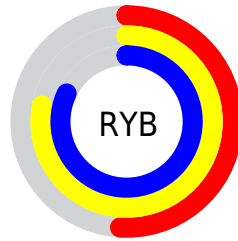
The XYZ color **36.7362, 52.2210, 33.7347** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **44.1102, 33.2424, 56.3179**, and the grayscale version is **42.1225, 44.3162, 48.2603**.

A 20% lighter version of the original color is **65.7314, 85.8198, 65.3250**, and **16.3456, 25.3624, 13.9315** is the 20% darker color. If you saturate the color by 10%, you get **32.6678, 50.2652, 27.2148**, and if you desaturate by 10%, it is **41.6631, 54.5984, 41.3743**.

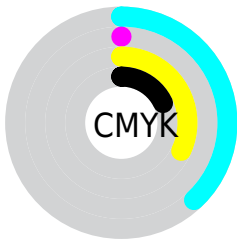
Distribution



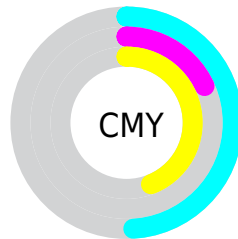
- Red (51%)
- Green (82%)
- Blue (56%)



- Red (51%)
- Yellow (78%)
- Blue (82%)



- Cyan (38%)
- Magenta (0%)
- Yellow (32%)
- Black (18%)





- Cyan (49%)
- Magenta (18%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7362, 52.2210, 33.7347 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 36.7362, 52.2210, 33.7347 by changing the saturation by 10% instead.

 36.7362, 52.2210,
33.7347


 36.7362, 52.2210,
33.7347


323.5424,
395.2892, 333.6804


 25.1760, 37.1813,
22.4142


 69.4833, 93.4571,
66.6501

 16.3377, 25.3479,
13.9603


 91.4010, 120.4222,
89.0820

 9.8558, 16.3364,
7.9546


 117.5020,
152.1313, 116.0547

 5.3650, 9.7625,
3.9786

148.1515,
188.9687, 147.9869

 2.4999, 5.2418,
1.6136

183.7149,
231.3187, 185.2970

 0.8952, 2.3898,
0.3005

224.5576,

 0.0000, 0.8206,

279.5659, 228.4036

0.0000

271.0450,
334.0946, 277.7252

■ 0.0000, 0.0000,
0.0000

■ 36.7362, 52.2210,
33.7347

■ 36.7362, 52.2210,
33.7347

■ 32.6678, 50.2652,
27.2148

■ 41.6631, 54.5984,
41.3743

■ 29.4042, 48.7002,
21.7587

■ 47.4898, 57.4133,
50.1792

■ 26.8923, 47.5011,
17.3108


■ 54.2599, 60.6887,
60.1965


■ 25.0706, 46.6376,
13.8092


■ 62.0129, 64.4441,
71.4698


■ 23.8674, 46.0742,
11.1850

■ 70.7861, 68.6977,
84.0406

 23.1801, 45.7596,
9.3593

 80.6149, 73.4670,
97.9484

 23.0897, 45.7182,
9.1182

 82.0914, 74.0829,
104.5805

Harmonies

Analogous

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



42.4600, 52.2210, 23.2637



36.7362, 52.2210, 33.7347



34.4512, 52.2210, 53.6766

Triad

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



36.7362, 52.2210, 33.7347



48.5102, 52.2210, 121.0684



66.6144, 52.2210, 37.8602

Complementary

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



36.7362, 52.2210, 33.7347



44.1102, 33.2424, 56.3179

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.



68.7288, 52.2210, 60.1664



36.7362, 52.2210, 33.7347



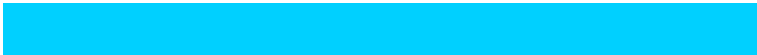
57.5748, 52.2210, 113.0985

Square

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



36.7362, 52.2210, 33.7347



40.7162, 52.2210, 108.0441



65.2455, 52.2210, 88.6880



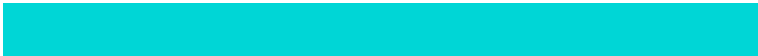
59.7684, 52.2210, 25.0980

Rectangle

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



36.7362, 52.2210, 33.7347



34.9566, 52.2210, 71.6496



65.2455, 52.2210, 88.6880



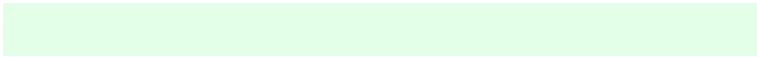
67.9348, 52.2210, 44.2596

Sweetspot

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



36.7376, 52.2232, 33.7359



81.9185, 93.6411, 89.7352



49.7909, 59.0587, 29.5445



17.2158, 19.8891, 18.7376



0.0000, 0.0000, 0.0000



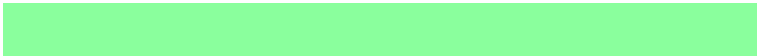
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.7376, 52.2232, 33.7359



52.2572, 79.3239, 44.3487



40.1957, 53.6064, 51.9462



11.7335, 13.2372, 12.9533



14.2600, 28.1969, 5.7492



0.8224, 1.5866, 0.4533

Inverse Universe

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



44.1102, 33.2424, 56.3179



65.4168, 45.4035, 84.6256



40.2320, 31.6911, 35.8958



12.2248, 11.9747, 14.4598



21.0164, 10.2794, 26.0563



1.1977, 0.5838, 1.5758

Previews

White Background



This preview shows how the XYZ color 36.7362, 52.2210, 33.7347 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 36.7362, 52.2210, 33.7347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

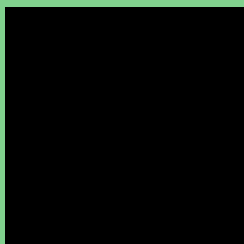
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7362, 52.2210, 33.7347

Background



This preview shows how black text looks on a background with the XYZ color 36.7362, 52.2210, 33.7347.



This preview shows how white text looks on a background with the XYZ color 36.7362, 52.2210,

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

36.7362, 52.2210, 33.7347

Protanopia

47.8934, 51.5273, 29.9758

Deuteranopia

52.7102, 51.6931, 35.2166



Tritanopia

44.5505, 52.1957, 72.6925

Trichromacy



Original Color

36.7362, 52.2210, 33.7347

Protanomaly

42.6131, 51.0858, 31.2815

Deuteranomaly

45.0242, 50.5934, 34.5866

Tritanomaly

41.1887, 51.8750, 55.9861

Monochromacy



Original Color

36.7362, 52.2210, 33.7347

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

39.3956, 46.5491, 42.0305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7362, 52.2210, 33.7347 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(129, 209, 142)` looks like.

```
.text, #text, p{  
    color:rgb(129, 209, 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(129, 209, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 209, 142) }
```

Border

The CSS property to change the border of an element to XYZ 36.7362, 52.2210, 33.7347 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(129, 209, 142) }
```


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

```
.border{ border-color:rgb(129, 209, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 209, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 209, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 209, 142);  
box-shadow:4px 4px 4px 4px rgb(129, 209,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7362, 52.2210, 33.7347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 209, 142) }
```

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

```
.background{ background-color: rgb(129,  
209, 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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