

Converting Colors

XYZ(42.2142, 58.8317, 37.0492)

Have a look what the booklet for
XYZ(42.2142, 58.8317, 37.0492)
contains.

XYZ(42.1784, 58.7304, 37.1300)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.1784, 58.7304,
37.1300)**

Conversions

Conversions Part 1

Format	Color
Hex	90DB94
RGB	144, 219, 148
RGB Percent	56%, 86%, 58%
CMY	0.4353, 0.1412, 0.4196
CMYK	0.34, 0.00, 0.32, 0.14
HSL	123°, 51%, 71%
HSV	123°, 34%, 86%
XYZ	42.1784, 58.7304, 37.1300
YIQ	188.4810, -21.9090, -37.9810

Conversions

Conversions Part 2

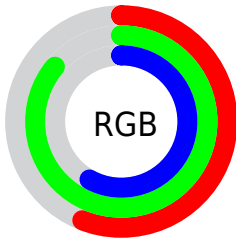
Format	Color
RYB	144, 215, 219
Decimal	9493396
CIELab	81.14, -37.34, 27.76
CIELCh	81, 46.532, 143.375
Yxy	58.7304, 0.3056, 0.4255
Android (android.graphics.Color)	4287683476 (0xFF90DB94)
YUV	188.4810, -19.9571, -39.0098
Hunter-Lab	76.6358, -35.8707, 24.9190

Details

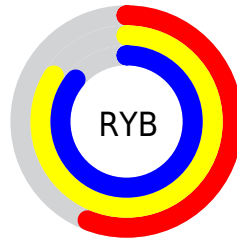
The XYZ color **42.1784, 58.7304, 37.1300** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **51.4543, 39.9141, 69.2845**, and the grayscale version is **48.1939, 50.7037, 55.2164**.

A 20% lighter version of the original color is **70.2401, 88.0636, 69.1731**, and **19.6496, 29.5876, 15.9846** is the 20% darker color. If you saturate the color by 10%, you get **37.2213, 56.3496, 29.0858**, and if you desaturate by 10%, it is **48.1744, 61.6163, 46.7595**.

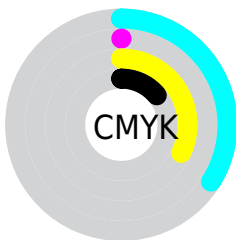
Distribution



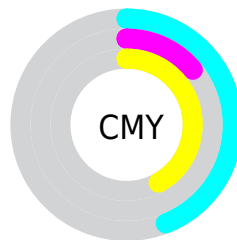
- Red (56%)
- Green (86%)
- Blue (58%)



- Red (56%)
- Yellow (84%)
- Blue (86%)



- Cyan (34%)
- Magenta (0%)
- Yellow (32%)
- Black (14%)



- Cyan (44%)
- Magenta (14%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1784, 58.7304, 37.1300 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 42.1784, 58.7304, 37.1300 by changing the saturation by 10% instead.

■ 42.1784, 58.7304,
37.1300

■ 42.1784, 58.7304,
37.1300

346.2010,
419.9021, 349.0586

■ 29.4327, 42.3961,
25.0116

■ 77.7330, 102.9857,
71.9612

■ 19.5543, 29.4116,
15.8666

■ 101.2727,
131.6756, 95.5111

■ 12.1779, 19.3924,
9.2765

129.1411,
165.2527, 123.7086

■ 6.9380, 11.9542,
4.8227

161.7035,
204.1016, 156.9722

■ 3.4693, 6.7125,
2.0867

199.3254,
248.6066, 195.7205

■ 1.4065, 3.2829,
0.6078

242.3720,

■ 0.2609, 1.2812,

299.1521, 240.3720

0.0000

291.2088,
356.1224, 291.3452

■ 0.0000, 0.1266,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.1784, 58.7304,
37.1300

■ 42.1784, 58.7304,
37.1300

■ 37.2213, 56.3496,
29.0858

■ 48.1744, 61.6163,
46.7595

■ 33.2399, 54.4379,
22.5384


■ 55.2590, 65.0259,
58.0488


■ 30.1710, 52.9664,
17.3964


■ 63.4840, 68.9864,
71.0724


■ 27.9422, 51.9001,
13.5572


■ 72.8966, 73.5203,
85.8989

 26.4700, 51.1983,
10.9038

 83.5415, 78.6495,
102.5935

 25.6536, 50.8122,
9.2986

 84.6226, 79.1453,
105.4242

 25.3971, 50.6911,
8.7835

Harmonies

Analogous

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



48.7588, 58.7304, 26.4398



42.1784, 58.7304, 37.1300



39.3013, 58.7304, 57.9932

Triad

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



42.1784, 58.7304, 37.1300



53.7018, 58.7304, 132.8431



74.7060, 58.7304, 45.0470

Complementary

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



42.1784, 58.7304, 37.1300



51.4543, 39.9141, 69.2845

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.



76.4228, 58.7304, 70.2959



42.1784, 58.7304, 37.1300



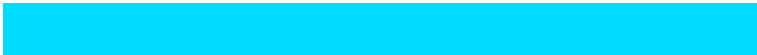
63.5352, 58.7304, 126.4079

Square

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



42.1784, 58.7304, 37.1300



45.4389, 58.7304, 116.9677



72.1287, 58.7304, 101.3048



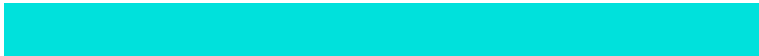
67.6761, 58.7304, 30.0016

Rectangle

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



42.1784, 58.7304, 37.1300



39.6031, 58.7304, 77.0854



72.1287, 58.7304, 101.3048



75.9547, 58.7304, 52.3940

Sweetspot

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



42.1799, 58.7329, 37.1313



82.6370, 94.0220, 89.2905



58.4658, 67.1645, 36.2686



17.3432, 19.9587, 18.5659



0.0000, 0.0000, 0.0000



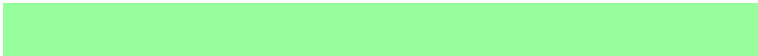
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1799, 58.7329, 37.1313



54.4237, 80.4480, 44.1241



45.6181, 60.1082, 55.2368



12.9145, 14.6174, 14.0129



15.0711, 30.0611, 5.2737



0.9865, 1.9516, 0.3950

Inverse Universe

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



51.4543, 39.9141, 69.2845



69.3832, 50.0826, 95.9788



47.1992, 38.2120, 46.8774



13.5828, 13.2622, 16.3304



24.0366, 11.6157, 36.1684



1.5666, 0.7563, 2.3926

Previews

White Background



This preview shows how the XYZ color 42.1784, 58.7304, 37.1300 looks on a white background.

Color Contrast Check

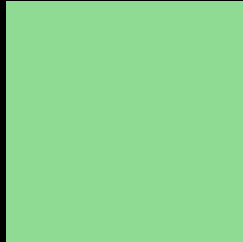
Large Text (above 18pt) WCAG AA × Fail

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 42.1784, 58.7304, 37.1300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

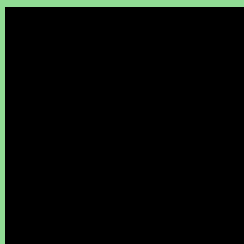
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1784, 58.7304, 37.1300

Background



This preview shows how black text looks on a background with the XYZ color 42.1784, 58.7304, 37.1300.



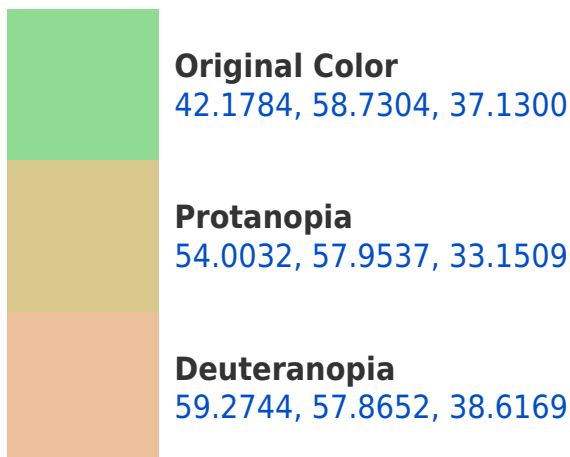
This preview shows how white text looks on a background with the XYZ color 42.1784, 58.7304,

37.1300.

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





Tritanopia

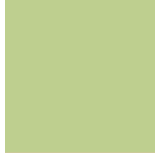
50.8260, 58.4628, 80.5571

Trichromacy



Original Color

42.1784, 58.7304, 37.1300



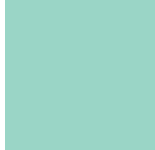
Protanomaly

48.5060, 57.5560, 34.5395



Deuteranomaly

51.4166, 57.2046, 38.0374



Tritanomaly

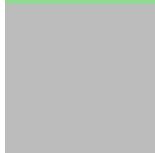
47.3137, 58.5357, 62.2309

Monochromacy



Original Color

42.1784, 58.7304, 37.1300



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.9795, 52.6346, 47.3240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1784, 58.7304, 37.1300 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(144, 219, 148)` looks like.

```
.text, #text, p{  
    color:rgb(144, 219, 148)  
}
```

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(144, 219, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 219, 148) }
```

Border

The CSS property to change the border of an element to XYZ 42.1784, 58.7304, 37.1300 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(144, 219, 148) }
```


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

```
.border{ border-color:rgb(144, 219, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 219, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 219, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 219, 148); box-shadow:4px 4px 4px 4px rgb(144, 219, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1784, 58.7304, 37.1300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 219, 148) }
```

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

```
.background{ background-color: rgb(144,  
219, 148) }
```

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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