

Converting Colors

XYZ(58.6587, 73.2514, 52.8938)

Have a look what the booklet for
XYZ(58.6587, 73.2514, 52.8938)
contains.

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Color

**XYZ(58.6304, 73.4098,
52.6743)**

Conversions

Conversions Part 1

Format	Color
Hex	BDEBB1
RGB	189, 235, 177
RGB Percent	74%, 92%, 69%
CMY	0.2588, 0.0784, 0.3059
CMYK	0.20, 0.00, 0.25, 0.08
HSL	108°, 59%, 81%
HSV	108°, 25%, 92%
XYZ	58.6304, 73.4098, 52.6743
YIQ	214.6340, -8.7980, -27.7900

Conversions

Conversions Part 2

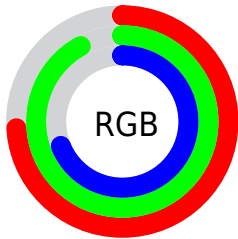
Format	Color
RYB	177, 235, 223
Decimal	12446641
CIELab	88.64, -25.42, 23.42
CIELCh	89, 34.559, 137.348
Yxy	73.4098, 0.3174, 0.3974
Android (android.graphics.Color)	4290636721 (0xFFBDEBB1)
YUV	214.6340, -18.5536, -22.4810
Hunter-Lab	85.6795, -27.7918, 23.5252

Details

The XYZ color **58.6304, 73.4098, 52.6743** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.1520, 53.1325, 85.6337**, and the grayscale version is **64.4711, 67.8287, 73.8654**.

A 20% lighter version of the original color is **88.4740, 96.9960, 91.1498**, and **29.7499, 38.8463, 24.9989** is the 20% darker color. If you saturate the color by 10%, you get **52.1570, 70.3226, 41.1793**, and if you desaturate by 10%, it is **66.1053, 76.9710, 66.3248**.

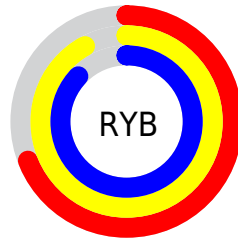
Distribution



Red (74%)

Green (92%)

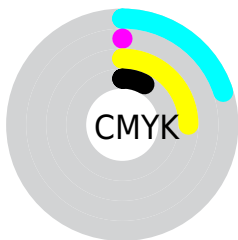
Blue (69%)



Red (69%)

Yellow (92%)

Blue (87%)

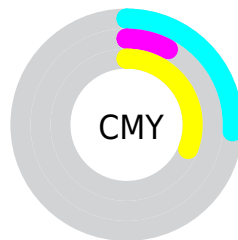


Cyan (20%)

Magenta (0%)

Yellow (25%)

Black (8%)



Cyan (26%)


Magenta (8%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6304, 73.4098, 52.6743 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 58.6304, 73.4098, 52.6743 by changing the saturation by 10% instead.


 58.6304, 73.4098,
52.6743

 58.6304, 73.4098,
52.6743

409.4470,
472.4339, 414.0651

 42.5609, 54.3111,
37.1569


 101.9580,
124.0588, 95.5616

 29.7338, 38.8504,
25.0322


129.9468,
156.3779, 123.7686

 19.7837, 26.6434,
15.8818


162.6394,
193.8726, 157.0425

 12.3452, 17.3056,
9.2871

200.4012,
236.9273, 195.8019

 7.0531, 10.4526,
4.8296

243.5975,
285.9264, 240.4653

 3.5420, 5.7001,
2.0906


292.5936,

 1.4464, 2.6636,


341.2542, 291.4513


0.6102


347.7550,
403.2953, 349.1784


 0.2889, 0.9587,
0.0000


 0.0000, 0.0000,
0.0000


 58.6304, 73.4098,
52.6743


 58.6304, 73.4098,
52.6743


 52.1570, 70.3226,
41.1793

 66.1053, 76.9710,
66.3248


 46.6362, 67.6800,
31.7250

 74.6164, 81.0155,
82.2280

 42.0235, 65.4640,
24.1935

 84.2037, 85.5639,
100.4811

 38.2686, 63.6514,
18.4526

 88.9998, 87.8996,
106.8833

■ 35.3157, 62.2168,
14.3536

■ 33.1023, 61.1317,
11.7239

■ 31.5550, 60.3628,
10.3521

■ 30.9579, 60.0630,
9.9617

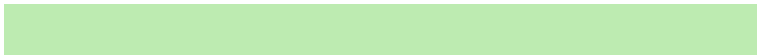
Harmonies

Analogous

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



65.1001, 73.4098, 43.6159



58.6304, 73.4098, 52.6743



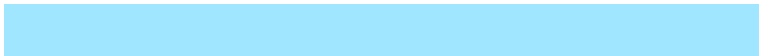
55.2660, 73.4098, 70.2866

Triad

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



58.6304, 73.4098, 52.6743



66.3196, 73.4098, 133.6448



86.2291, 73.4098, 67.0025

Complementary

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



58.6304, 73.4098, 52.6743



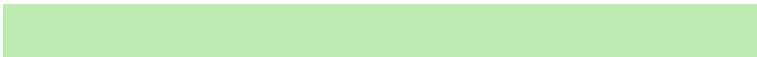
61.1520, 53.1325, 85.6337

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.



86.6214, 73.4098, 90.4192



58.6304, 73.4098, 52.6743



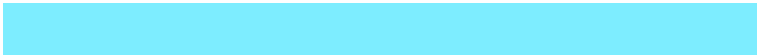
74.6660, 73.4098, 132.2773

Square

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



58.6304, 73.4098, 52.6743



59.4617, 73.4098, 118.6952



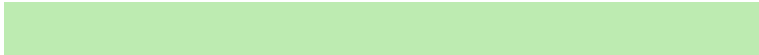
82.2466, 73.4098, 115.2651



81.2141, 73.4098, 50.6847

Rectangle

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



58.6304, 73.4098, 52.6743



55.0456, 73.4098, 85.9503



82.2466, 73.4098, 115.2651



86.9194, 73.4098, 74.1991

Sweetspot

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



58.6323, 73.4129, 52.6759



87.2899, 96.3163, 94.2259



68.4364, 73.3129, 52.1399



18.5468, 20.5507, 19.9114



0.0000, 0.0000, 0.0000



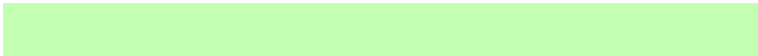
20.3446, 21.4041, 23.3091

Same Dimension

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



58.6323, 73.4129, 52.6759



66.1779, 86.2669, 55.5464



57.5161, 72.6367, 61.6965



15.1594, 17.0122, 16.0034



17.3134, 33.4698, 5.5478



1.4374, 2.6683, 0.4393

Inverse Universe

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



61.1520, 53.1325, 85.6337



69.7257, 57.6413, 102.0587



62.7149, 54.2000, 73.8783



15.3920, 15.1473, 19.0347



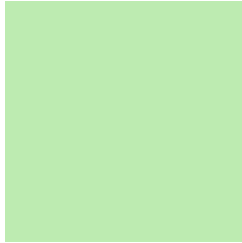
19.7769, 9.2313, 44.4824



1.6296, 0.7644, 3.4965

Previews

White Background



This preview shows how the XYZ color 58.6304, 73.4098, 52.6743 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 58.6304, 73.4098, 52.6743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

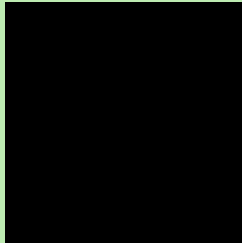
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.6304, 73.4098, 52.6743

Background



This preview shows how black text looks on a background with the XYZ color 58.6304, 73.4098, 52.6743.

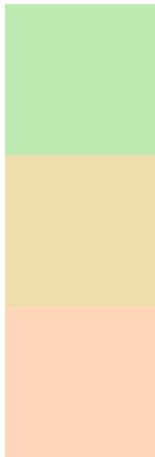


This preview shows how white text looks on a background with the XYZ color 58.6304, 73.4098,

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

58.6304, 73.4098, 52.6743

Protanopia

68.3970, 73.1874, 49.0497

Deuteranopia

74.0435, 72.8559, 56.0590



Tritanopia

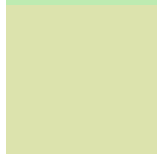
67.3449, 73.2037, 96.1682

Trichromacy



Original Color

58.6304, 73.4098, 52.6743



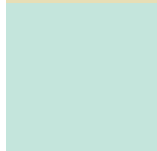
Protanomaly

64.5271, 73.1709, 50.2576



Deuteranomaly

67.5198, 72.6089, 54.7122



Tritanomaly

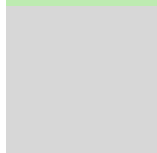
63.7025, 72.9417, 78.4318

Monochromacy



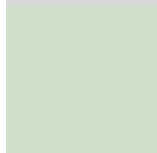
Original Color

58.6304, 73.4098, 52.6743



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

62.1175, 69.5814, 65.4150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6304, 73.4098, 52.6743 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(189, 235, 177)` looks like.

```
.text, #text, p{  
    color:rgb(189, 235, 177)  
}
```

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(189, 235, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 235, 177) }
```

Border

The CSS property to change the border of an element to XYZ 58.6304, 73.4098, 52.6743 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(189, 235, 177) }
```


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

```
.border{ border-color:rgb(189, 235, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 235, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 235, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 235, 177);  
box-shadow:4px 4px 4px 4px rgb(189, 235,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6304, 73.4098, 52.6743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 235, 177) }
```

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

```
.background{ background-color: rgb(189,  
235, 177) }
```

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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