

Converting Colors

XYZ(58.8723, 71.4770, 55.3349)

Have a look what the booklet for
XYZ(58.8723, 71.4770, 55.3349)
contains.

XYZ(58.8364, 71.3500, 55.4707)	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(58.8364, 71.3500,
55.4707)**

Conversions

Conversions Part 1

Format	Color
Hex	C1E6B7
RGB	193, 230, 183
RGB Percent	76%, 90%, 72%
CMY	0.2431, 0.0980, 0.2823
CMYK	0.16, 0.00, 0.20, 0.10
HSL	107°, 48%, 81%
HSV	107°, 20%, 90%
XYZ	58.8364, 71.3500, 55.4707
YIQ	213.5790, -6.9650, -22.4610

Conversions

Conversions Part 2

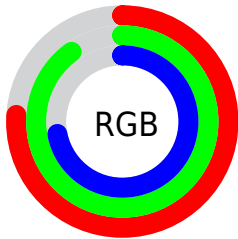
Format	Color
RYB	183, 230, 220
Decimal	12707511
CIELab	87.65, -20.66, 18.98
CIELCh	88, 28.056, 137.426
Yxy	71.3500, 0.3169, 0.3843
Android (android.graphics.Color)	4290897591 (0xFFC1E6B7)
YUV	213.5790, -15.0754, -18.0478
Hunter-Lab	84.4689, -23.4874, 20.1925

Details

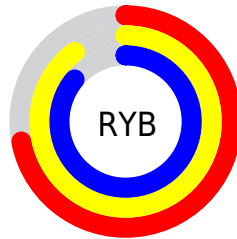
The XYZ color **58.8364, 71.3500, 55.4707** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.7346, 54.7979, 82.2427**, and the grayscale version is **63.7366, 67.0559, 73.0239**.

A 20% lighter version of the original color is **90.7643, 98.0760, 95.8081**, and **29.8128, 37.3728, 26.7615** is the 20% darker color. If you saturate the color by 10%, you get **52.2988, 68.2362, 43.6729**, and if you desaturate by 10%, it is **66.3342, 74.9178, 69.3585**.

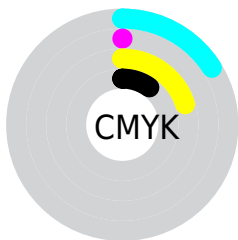
Distribution



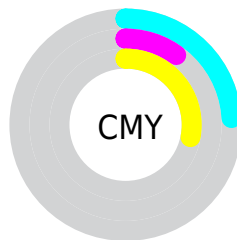
- Red (76%)
- Green (90%)
- Blue (72%)



- Red (72%)
- Yellow (90%)
- Blue (86%)



- Cyan (16%)
- Magenta (0%)
- Yellow (20%)
- Black (10%)





- Cyan (24%)
- Magenta (10%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8364, 71.3500, 55.4707 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 58.8364, 71.3500, 55.4707 by changing the saturation by 10% instead.


 58.8364, 71.3500,
55.4707

 58.8364, 71.3500,
55.4707

410.1992,
465.2760, 425.0259

 42.7273, 52.6279,
39.3776


 102.2558,
121.1320, 99.7083

 29.8648, 37.5058,
26.7435


130.2969,
152.9606, 128.6899

 19.8836, 25.5993,
17.1499

163.0460,
189.9268, 162.8047

 12.4182, 16.5241,
10.1784

200.8684,
232.4150, 202.4712

 7.1034, 9.8958,
5.4102

244.1296,
280.8097, 248.1081

 3.5737, 5.3299,
2.4270


293.1949,

 1.4639, 2.4421,


335.4951, 300.1338


0.8011


348.4296,
396.8558, 358.9668


 0.3011, 0.8474,
0.0000


 0.0000, 0.0000,
0.0000


 58.8364, 71.3500,
55.4707


 58.8364, 71.3500,
55.4707


 52.2988, 68.2362,
43.6729

 66.3342, 74.9178,
69.3585

 46.6766, 65.5492,
33.8594

 74.8237, 78.9474,
85.4257

 41.9294, 63.2727,
25.9227

 84.3416, 83.4581,
103.7622

 38.0117, 61.3858,
19.7427

 87.5882, 85.0765,
106.4127

■ 34.8738, 59.8658,
15.1860

■ 32.4600, 58.6872,
12.0995

■ 30.7066, 57.8213,
10.3012

■ 29.5615, 57.2477,
9.4919

Harmonies

Analogous

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



64.0615, 71.3500, 47.7469



58.8364, 71.3500, 55.4707



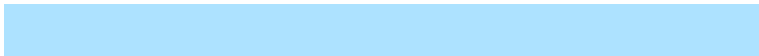
56.0955, 71.3500, 69.9921

Triad

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



58.8364, 71.3500, 55.4707



65.0727, 71.3500, 119.1497



80.7501, 71.3500, 67.2377

Complementary

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



58.8364, 71.3500, 55.4707



60.7346, 54.7979, 82.2427

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.



81.0650, 71.3500, 85.9284



58.8364, 71.3500, 55.4707



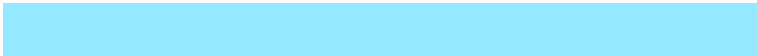
71.7144, 71.3500, 118.0866

Square

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



58.8364, 71.3500, 55.4707



59.5349, 71.3500, 107.8667



77.6658, 71.3500, 105.1633



76.8315, 71.3500, 53.7391

Rectangle

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



58.8364, 71.3500, 55.4707



55.9202, 71.3500, 82.5137



77.6658, 71.3500, 105.1633



81.2896, 71.3500, 73.0543

Sweetspot

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



58.8383, 71.3531, 55.4723



88.3902, 96.8401, 96.2380



66.7285, 71.3354, 55.0530



18.7700, 20.6570, 20.3171



0.0000, 0.0000, 0.0000



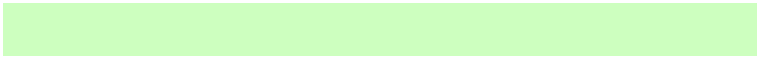
20.3446, 21.4041, 23.3091

Same Dimension

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



58.8383, 71.3531, 55.4723



70.3164, 88.2450, 62.7615



57.8274, 70.6641, 63.0072



14.4744, 16.2361, 15.2755



16.8184, 32.4517, 5.3774



1.3199, 2.4378, 0.4010

Inverse Universe

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



60.7346, 54.7979, 82.2427



73.1608, 63.3687, 102.9831



62.0524, 55.6852, 72.9106



14.6793, 14.4524, 18.1602



18.9905, 8.8558, 43.0916



1.4785, 0.6932, 3.1878

Previews

White Background



This preview shows how the XYZ color 58.8364, 71.3500, 55.4707 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 58.8364, 71.3500, 55.4707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

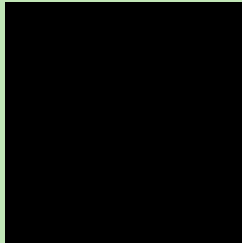
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

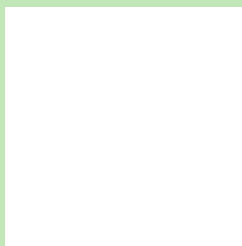
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.8364, 71.3500, 55.4707

Background



This preview shows how black text looks on a background with the XYZ color 58.8364, 71.3500, 55.4707.

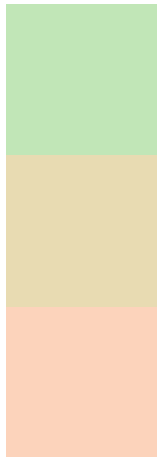


This preview shows how white text looks on a background with the XYZ color 58.8364, 71.3500,

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

58.8364, 71.3500, 55.4707

Protanopia

66.6461, 71.0332, 52.3176

Deuteranopia

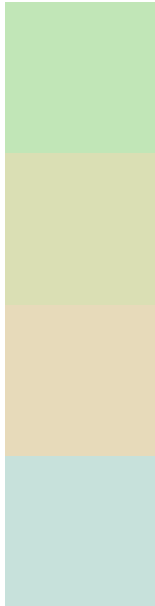
72.4088, 70.8718, 56.8770



Tritanopia

66.2066, 71.0904, 92.6704

Trichromacy



Original Color

58.8364, 71.3500, 55.4707

Protanomaly

63.5393, 70.9761, 53.5309

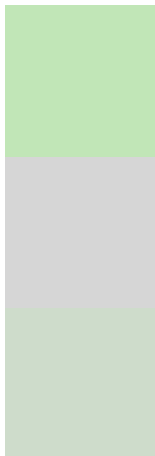
Deuteranomaly

66.8893, 70.6769, 56.5709

Tritanomaly

63.2646, 71.1070, 77.4085

Monochromacy



Original Color

58.8364, 71.3500, 55.4707

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

61.8263, 68.6200, 66.4863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8364, 71.3500, 55.4707 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(193, 230, 183)` looks like.

```
.text, #text, p{  
    color:rgb(193, 230, 183)  
}
```

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(193, 230, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 230, 183) }
```

Border

The CSS property to change the border of an element to XYZ 58.8364, 71.3500, 55.4707 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(193, 230, 183) }
```


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

```
.border{ border-color:rgb(193, 230, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 230, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 230, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 230, 183); box-shadow:4px 4px 4px 4px rgb(193, 230, 183) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8364, 71.3500, 55.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 230, 183) }
```

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

```
.background{ background-color: rgb(193,  
230, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor