

Converting Colors

XYZ(66.9644, 100.0000,
40.5567)

Have a look what the booklet for
XYZ(66.9644, 100.0000, 40.5567)
contains.

XYZ(58.1728, 82.5274, 37.6743)	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(58.1728, 82.5274,
37.6743)**

Conversions

Conversions Part 1

Format	Color
Hex	AFFF8C
RGB	175, 255, 140
RGB Percent	69%, 100%, 55%
CMY	0.3137, 0.0000, 0.4510
CMYK	0.31, 0.00, 0.45, 0.00
HSL	102°, 100%, 77%
HSV	102°, 45%, 100%
XYZ	58.1728, 82.5274, 37.6743
YIQ	217.9700, -10.7650, -52.7250

Conversions

Conversions Part 2

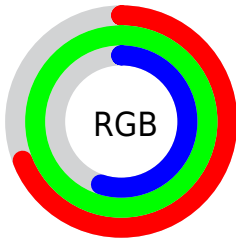
Format	Color
RYB	140, 255, 220
Decimal	11534220
CIELab	92.81, -44.48, 47.19
CIELCh	93, 64.847, 133.305
Yxy	82.5274, 0.3261, 0.4627
Android (android.graphics.Color)	4289724300 (0xFFAFF8C)
YUV	217.9700, -38.4392, -37.6847
Hunter-Lab	90.8446, -44.6746, 39.0030

Details

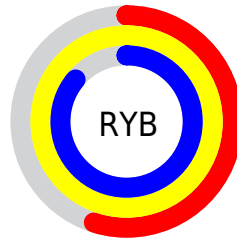
The XYZ color **58.1728, 82.5274, 37.6743** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.9446, 41.1932, 99.5575**, and the grayscale version is **66.8816, 70.3646, 76.6271**.

A 20% lighter version of the original color is **79.2146, 92.7838, 65.3638**, and **29.5221, 44.9982, 16.1464** is the 20% darker color. If you saturate the color by 10%, you get **52.7816, 79.9408, 28.7184**, and if you desaturate by 10%, it is **64.5235, 85.5583, 48.9516**.

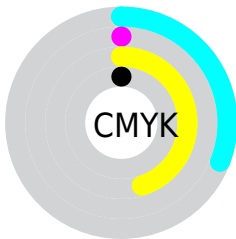
Distribution



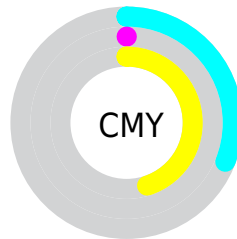
- Red (69%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (86%)



- Cyan (31%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.1728, 82.5274, 37.6743 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 58.1728, 82.5274, 37.6743 by changing the saturation by 10% instead.


 58.1728, 82.5274,
37.6743


 58.1728, 82.5274,
37.6743


407.7730,
503.4101, 351.4769

 42.1914, 61.8004,
25.4301


 101.2960,
136.9134, 72.8065

 29.4429, 44.8714,
16.1759


 129.1684,
171.3410, 96.5317

 19.5621, 31.3561,
9.4930


161.7353,
211.1044, 124.9209

 12.1836, 20.8702,
4.9629

199.3619,
256.5878, 158.3927

 6.9419, 13.0292,
2.1672

242.4136,
308.1757, 197.3657

 3.4718, 7.4486,
0.6553

291.2558,

 1.4079, 3.7442,

366.2525, 242.2584

0.0000

346.2538,
431.2025, 293.4893

0.2618, 1.5315,
0.0000

0.0000, 0.3108,
0.0000

58.1728, 82.5274,
37.6743

58.1728, 82.5274,
37.6743

52.7816, 79.9408,
28.7184

64.5235, 85.5583,
48.9516

48.2980, 77.7753,
21.9185

71.8794, 89.0538,
62.6927

44.6665, 76.0062,
17.0932

80.2843, 93.0338,
79.0332

41.8237, 74.6055,
14.0300

89.7790, 97.5163,
98.0976

■ 39.6952, 73.5406, 95.0500, 100.0000,
12.4668 108.9000

■ 38.8696, 73.1230,
12.0655

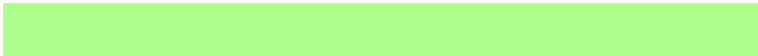
Harmonies

Analogous

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



71.1878, 82.5274, 26.2598



58.1728, 82.5274, 37.6743



51.2195, 82.5274, 65.6584

Triad

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



58.1728, 82.5274, 37.6743



69.4588, 82.5274, 211.9285



114.5555, 82.5274, 70.0747

Complementary

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



58.1728, 82.5274, 37.6743



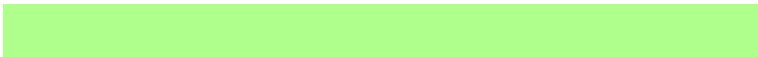
56.9446, 41.1932, 99.5575

Split Complementary

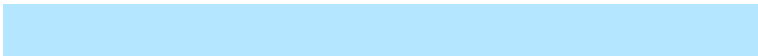
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.9152, 82.5274, 119.3751



58.1728, 82.5274, 37.6743



86.1683, 82.5274, 214.4672

Square

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



58.1728, 82.5274, 37.6743



57.0645, 82.5274, 170.1215



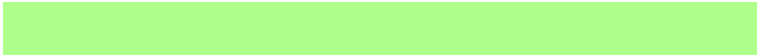
102.9396, 82.5274, 176.1585



104.5801, 82.5274, 39.9009

Rectangle

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



58.1728, 82.5274, 37.6743



50.2343, 82.5274, 95.3375



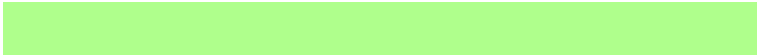
102.9396, 82.5274, 176.1585



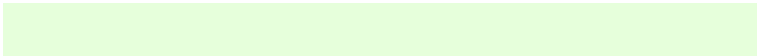
115.6132, 82.5274, 84.5932

Sweetspot

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



58.1731, 82.5275, 37.6755



81.2717, 93.5005, 80.9890



71.1971, 73.6000, 35.2659



16.9824, 19.8176, 16.5181



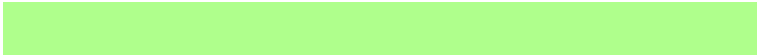
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

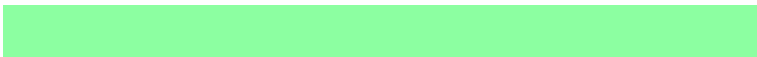
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.1731, 82.5275, 37.6755



53.3276, 80.2035, 29.5924



53.0164, 79.6720, 46.3419



18.2913, 20.4361, 19.1248



20.4421, 38.2764, 6.3107



2.0958, 3.7812, 0.6194

Inverse Universe

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



56.9446, 41.1932, 99.5575



51.9140, 34.1727, 98.4676



65.4579, 45.9529, 83.1994



18.2230, 18.0067, 22.7651



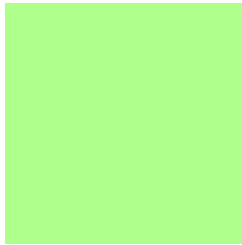
19.1117, 8.7629, 50.1187



1.9721, 0.9106, 4.8851

Previews

White Background



This preview shows how the XYZ color 58.1728, 82.5274, 37.6743 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 58.1728, 82.5274, 37.6743 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

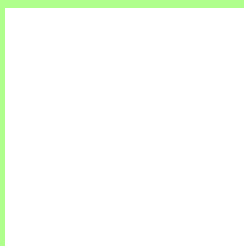
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.1728, 82.5274, 37.6743

Background



This preview shows how black text looks on a background with the XYZ color 58.1728, 82.5274, 37.6743.

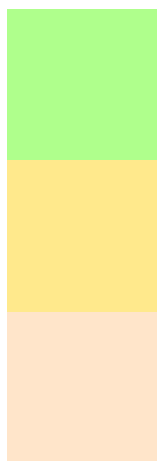


This preview shows how white text looks on a background with the XYZ color 58.1728, 82.5274,

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

58.1728, 82.5274, 37.6743

Protanopia

75.1125, 81.4313, 36.5699

Deuteranopia

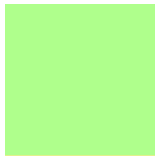
79.9200, 81.5629, 67.4081



Tritanopia

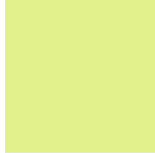
74.1119, 82.3775, 106.6021

Trichromacy



Original Color

58.1728, 82.5274, 37.6743



Protanomaly

67.5530, 80.9728, 36.8798



Deuteranomaly

70.0752, 80.5725, 54.5065



Tritanomaly

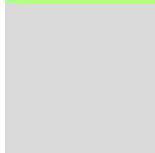
66.6550, 81.4464, 75.1584

Monochromacy



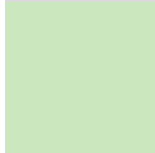
Original Color

58.1728, 82.5274, 37.6743



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.2273, 73.4261, 59.6081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1728, 82.5274, 37.6743 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(175, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 140)  
}
```

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(175, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 140) }
```

Border

The CSS property to change the border of an element to XYZ 58.1728, 82.5274, 37.6743 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(175, 255, 140) }
```


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

```
.border{ border-color:rgb(175, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1728, 82.5274, 37.6743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 140) }
```

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

```
.background{ background-color: rgb(175,  
255, 140) }
```

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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