

Converting Colors

XYZ(55.2407, 80.7281, 50.5360)

Have a look what the booklet for
XYZ(55.2407, 80.7281, 50.5360)
contains.

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Color

**XYZ(55.2284, 80.7182,
50.6995)**

Conversions

Conversions Part 1

Format	Color
Hex	94FFAA
RGB	148, 255, 170
RGB Percent	58%, 100%, 67%
CMY	0.4196, 0.0000, 0.3333
CMYK	0.42, 0.00, 0.33, 0.00
HSL	132°, 100%, 79%
HSV	132°, 42%, 100%
XYZ	55.2284, 80.7182, 50.6995
YIQ	213.3170, -36.4870, -49.1190

Conversions

Conversions Part 2

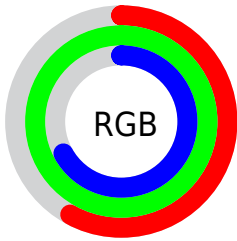
Format	Color
RYB	148, 237, 255
Decimal	9764778
CIELab	92.01, -48.31, 31.20
CIELCh	92, 57.511, 147.144
Yxy	80.7182, 0.2959, 0.4325
Android (android.graphics.Color)	4287954858 (0xFF94FFAA)
YUV	213.3170, -21.3553, -57.2830
Hunter-Lab	89.8433, -47.4984, 29.4324

Details

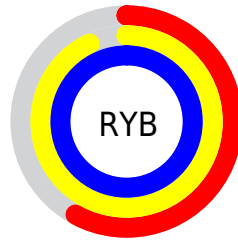
The XYZ color **55.2284, 80.7182, 50.6995** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.5379, 48.3233, 82.9103**, and the grayscale version is **63.6138, 66.9267, 72.8832**.

A 20% lighter version of the original color is **74.9411, 90.1328, 85.3991**, and **27.7194, 43.8967, 23.8416** is the 20% darker color. If you saturate the color by 10%, you get **49.3418, 77.8881, 41.1803**, and if you desaturate by 10%, it is **62.4273, 84.1905, 61.8240**.

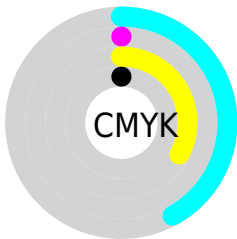
Distribution



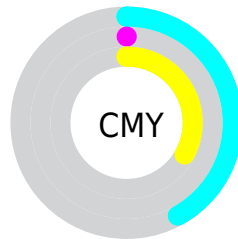
- Red (58%)
- Green (100%)
- Blue (67%)



- Red (58%)
- Yellow (93%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2284, 80.7182, 50.6995 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 55.2284, 80.7182, 50.6995 by changing the saturation by 10% instead.

 55.2284, 80.7182,
50.6995


 55.2284, 80.7182,
50.6995


396.8995,
497.3499, 406.2083

 39.8192, 60.3095,
35.5944


 97.0219, 134.3750,
92.6174

 27.5812, 43.6682,
23.8339


 124.1369,
168.3920, 120.2673

 18.1490, 30.4097,
14.9994


155.8845,
207.7138, 152.9359

 11.1574, 20.1498,
8.6724

192.6301,
252.7249, 191.0417

 6.2409, 12.5040,
4.4342

234.7390,
303.8096, 235.0034

 3.0341, 7.0879,
1.8664

282.5767,

 1.1718, 3.5171,

361.3525, 285.2393

0.4713

336.5084,
425.7378, 342.1681

0.0840, 1.4073,
0.0000

0.0000, 0.2221,
0.0000

55.2284, 80.7182,
50.6995

55.2284, 80.7182,
50.6995

49.3418, 77.8881,
41.1803

62.4273, 84.1905,
61.8240

44.6849, 75.6595,
33.1884

71.0108, 88.3412,
74.6191

41.1683, 73.9878,
26.6450

81.0477, 93.2042,
89.1514

38.6889, 72.8217,
21.4628

92.6020, 98.8111,
105.4826

■ 37.1243, 72.1002, 95.0500, 100.0000,
17.5447 108.9000

■ 36.3896, 71.7719,
15.2357

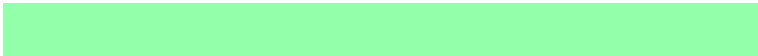
Harmonies

Analogous

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



64.4656, 80.7182, 33.5171



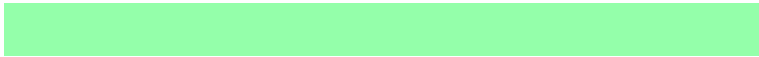
55.2284, 80.7182, 50.6995



51.6823, 80.7182, 83.8937

Triad

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



55.2284, 80.7182, 50.6995



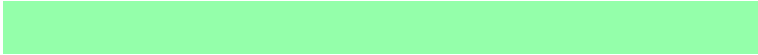
75.3124, 80.7182, 196.8820



104.9047, 80.7182, 55.7263

Complementary

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



55.2284, 80.7182, 50.6995



66.5379, 48.3233, 82.9103

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.



108.7656, 80.7182, 92.0080



55.2284, 80.7182, 50.6995



90.4371, 80.7182, 182.0873

Square

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



55.2284, 80.7182, 50.6995



62.3055, 80.7182, 175.5735



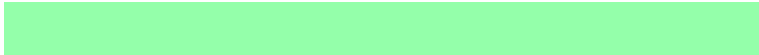
103.1693, 80.7182, 139.8813



93.2027, 80.7182, 35.6961

Rectangle

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



55.2284, 80.7182, 50.6995



52.6318, 80.7182, 114.1437



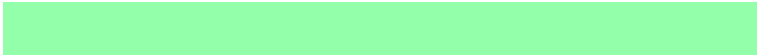
103.1693, 80.7182, 139.8813



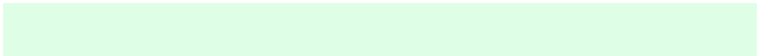
107.2231, 80.7182, 66.0036

Sweetspot

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



55.2289, 80.7184, 50.7008



79.9346, 92.6644, 87.5578



74.9060, 91.0830, 41.6503



16.6150, 19.5944, 18.0305



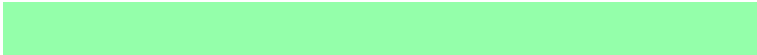
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.2289, 80.7184, 50.7008



50.3962, 78.3942, 42.9237



61.2788, 83.1384, 82.5592



17.9243, 20.2292, 19.9043



19.0570, 37.5194, 8.1854



1.8927, 3.6680, 0.9927

Inverse Universe

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



66.5379, 48.3233, 82.9103



63.0067, 42.2133, 78.7973



60.0786, 45.7396, 48.8960



18.6232, 18.2326, 21.8990



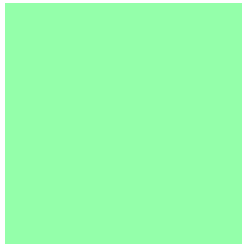
27.2101, 13.3733, 30.8207



2.6878, 1.3175, 3.2033

Previews

White Background



This preview shows how the XYZ color 55.2284, 80.7182, 50.6995 looks on a white background.

Color Contrast Check

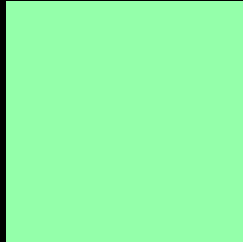
Large Text (above 18pt) WCAG AA × Fail

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 55.2284, 80.7182, 50.6995 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 55.2284, 80.7182, 50.6995

Background



This preview shows how black text looks on a background with the XYZ color 55.2284, 80.7182, 50.6995.

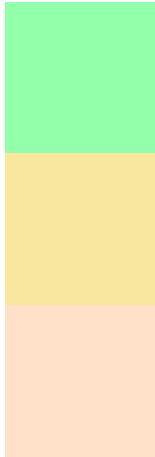


This preview shows how white text looks on a background with the XYZ color 55.2284, 80.7182,

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

55.2284, 80.7182, 50.6995

Protanopia

73.9880, 79.8296, 44.7668

Deuteranopia

78.8259, 79.3747, 67.0434



Tritanopia

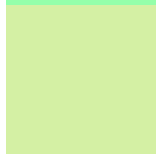
69.7036, 80.1050, 106.3958

Trichromacy



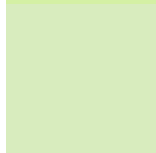
Original Color

55.2284, 80.7182, 50.6995



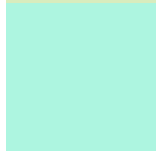
Protanomaly

65.0123, 78.9976, 46.9435



Deuteranomaly

67.6086, 78.3075, 60.2667



Tritanomaly

63.3405, 79.5709, 82.5413

Monochromacy



Original Color

55.2284, 80.7182, 50.6995



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

58.8077, 70.3368, 63.3002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2284, 80.7182, 50.6995 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(148, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 170)  
}
```

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(148, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 170) }
```

Border

The CSS property to change the border of an element to XYZ 55.2284, 80.7182, 50.6995 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(148, 255, 170) }
```


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

```
.border{ border-color:rgb(148, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2284, 80.7182, 50.6995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 170) }
```

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

```
.background{ background-color: rgb(148,  
255, 170) }
```

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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