

Converting Colors

XYZ(58.7429, 82.2307, 64.3833)

Have a look what the booklet for
XYZ(58.7429, 82.2307, 64.3833)
contains.

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Color

**XYZ(58.7472, 82.2324,
64.4059)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFC3
RGB	153, 255, 195
RGB Percent	60%, 100%, 76%
CMY	0.4000, 0.0000, 0.2353
CMYK	0.40, 0.00, 0.24, 0.00
HSL	145°, 100%, 80%
HSV	145°, 40%, 100%
XYZ	58.7472, 82.2324, 64.4059
YIQ	217.6620, -41.5320, -40.2840

Conversions

Conversions Part 2

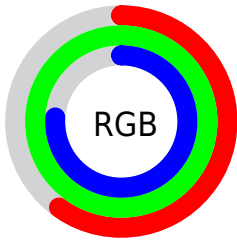
Format	Color
RYB	153, 225, 255
Decimal	10092483
CIELab	92.68, -42.53, 19.49
CIElCh	93, 46.777, 155.380
Yxy	82.2324, 0.2860, 0.4004
Android (android.graphics.Color)	4288282563 (0xFF99FFC3)
YUV	217.6620, -11.1724, -56.7086
Hunter-Lab	90.6821, -43.0548, 21.3674

Details

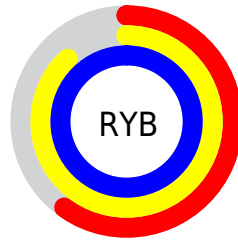
The XYZ color **58.7472, 82.2324, 64.4059** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **64.6419, 48.8473, 68.9723**, and the grayscale version is **66.5026, 69.9659, 76.1929**.

A 20% lighter version of the original color is **80.1947, 92.3972, 105.7032**, and **29.8257, 44.7981, 32.2742** is the 20% darker color. If you saturate the color by 10%, you get **52.8259, 79.3661, 55.7163**, and if you desaturate by 10%, it is **65.8687, 85.6978, 74.0438**.

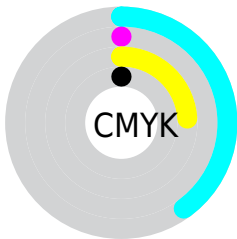
Distribution



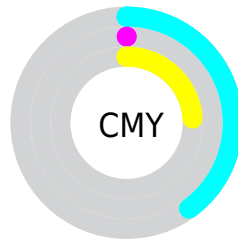
- Red (60%)
- Green (100%)
- Blue (76%)



- Red (60%)
- Yellow (88%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7472, 82.2324, 64.4059 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 58.7472, 82.2324, 64.4059 by changing the saturation by 10% instead.


 58.7472, 82.2324,
64.4059


 58.7472, 82.2324,
64.4059


409.8736,
502.4247, 458.9016

 42.6552, 61.5571,
46.5312


 102.1269,
136.4999, 112.8004

 29.8080, 44.6749,
32.3135


 130.1453,
170.8608, 144.1573

 19.8403, 31.2015,
21.3343


162.8700,
210.5525, 180.8453

 12.3866, 20.7523,
13.1750

200.6661,
255.9592, 223.2830

 7.0816, 12.9431,
7.4170

243.8992,
307.4654, 271.8890

 3.5600, 7.3894,
3.6419

292.9346,

 1.4563, 3.7068,

365.4554, 327.0817

1.4310

348.1376,
430.3138, 389.2797

■ 0.2958, 1.5109,
0.1657

■ 0.0000, 0.2964,
0.0000

■ 58.7472, 82.2324,
64.4059

■ 58.7472, 82.2324,
64.4059

■ 52.8259, 79.3661,
55.7163

■ 65.8687, 85.6978,
74.0438

■ 48.0315, 77.0616,
47.9414

■ 74.2533, 89.7940,
84.6539

■ 44.2858, 75.2793,
41.0516

■ 83.9620, 94.5521,
96.2644

■ 41.4988, 73.9732,
35.0139

95.0500, 100.0000,
108.9000

■ 39.5638, 73.0893,
29.7928

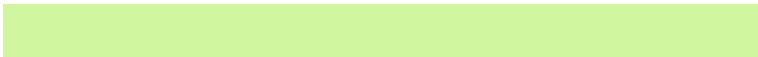
■ 38.3100, 72.5400,
25.3480

■ 38.3099, 72.5400,
25.3477

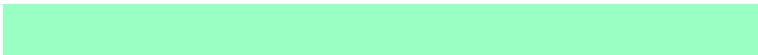
Harmonies

Analogous

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



65.3710, 82.2324, 45.2365



58.7472, 82.2324, 64.4059



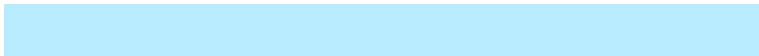
57.0887, 82.2324, 95.9732

Triad

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



58.7472, 82.2324, 64.4059



80.3756, 82.2324, 174.2679



98.8465, 82.2324, 56.0523

Complementary

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



58.7472, 82.2324, 64.4059



64.6419, 48.8473, 68.9723

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.



103.8654, 82.2324, 83.3954



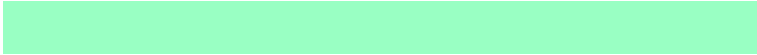
58.7472, 82.2324, 64.4059



92.5155, 82.2324, 156.0948

Square

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



58.7472, 82.2324, 64.4059



68.8052, 82.2324, 165.3811



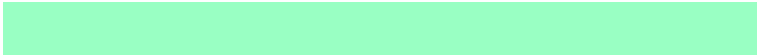
101.4364, 82.2324, 120.4790



88.3252, 82.2324, 41.3640

Rectangle

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



58.7472, 82.2324, 64.4059



58.8559, 82.2324, 121.4651



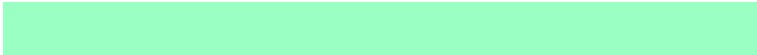
101.4364, 82.2324, 120.4790



101.2802, 82.2324, 63.7603

Sweetspot

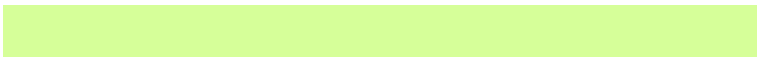
The Sweet Spot groups the original color and five complimentary colors.



58.7479, 82.2328, 64.4073



81.9107, 93.5457, 93.8599



69.3002, 88.1464, 43.4995



17.2519, 19.8852, 19.7586



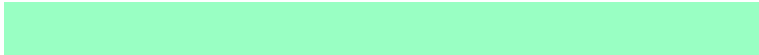
0.0000, 0.0000, 0.0000



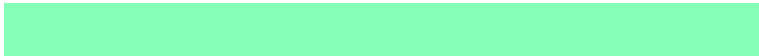
20.3446, 21.4041, 23.3091

Same Dimension

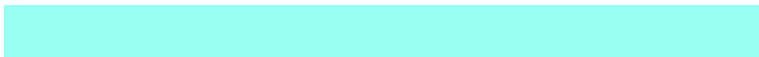
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.7479, 82.2328, 64.4073



53.9172, 79.8930, 57.3795



65.3483, 84.8729, 99.1643



18.0817, 20.2922, 20.7331



20.0876, 37.9316, 13.6126



2.0086, 3.7144, 1.6031

Inverse Universe

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



64.6419, 48.8473, 68.9723



60.5440, 42.3142, 62.4806



59.2606, 46.6948, 40.6350



18.4577, 18.1664, 21.0273



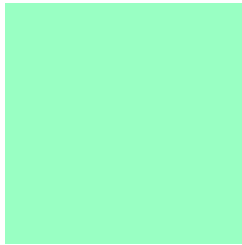
24.5013, 12.2898, 16.5559



2.4400, 1.2184, 1.8982

Previews

White Background



This preview shows how the XYZ color 58.7472, 82.2324, 64.4059 looks on a white background.

Color Contrast Check

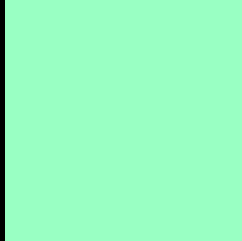
Large Text (above 18pt) WCAG AA × Fail

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 58.7472, 82.2324, 64.4059 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 58.7472, 82.2324, 64.4059

Background



This preview shows how black text looks on a background with the XYZ color 58.7472, 82.2324, 64.4059.



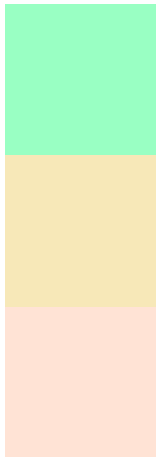
This preview shows how white text looks on a background with the XYZ color 58.7472, 82.2324,

64.4059.

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

58.7472, 82.2324, 64.4059

Protanopia

75.8661, 80.9481, 56.9734

Deuteranopia

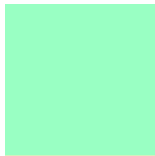
80.7193, 81.0023, 74.3314



Tritanopia

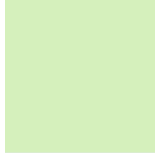
71.4976, 81.4681, 106.5643

Trichromacy



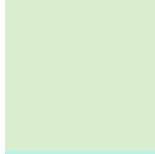
Original Color

58.7472, 82.2324, 64.4059



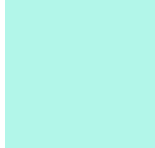
Protanomaly

67.6778, 80.0972, 59.4703



Deuteranomaly

70.3382, 79.9300, 70.1133



Tritanomaly

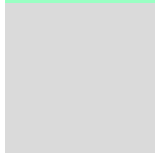
66.0238, 81.2597, 89.2957

Monochromacy



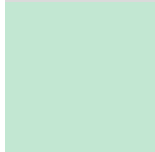
Original Color

58.7472, 82.2324, 64.4059



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.4569, 73.2743, 71.8243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7472, 82.2324, 64.4059 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(153, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 195)  
}
```

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(153, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 195) }
```

Border

The CSS property to change the border of an element to XYZ 58.7472, 82.2324, 64.4059 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(153, 255, 195) }
```


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

```
.border{ border-color:rgb(153, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7472, 82.2324, 64.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 195) }
```

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

```
.background{ background-color: rgb(153,  
255, 195) }
```

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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