

Converting Colors

XYZ(70.1747, 85.5967,
140.8978)

Have a look what the booklet for
XYZ(70.1747, 85.5967, 140.8978)
contains.

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Color

**XYZ(63.6565, 82.8738,
107.2489)**

Conversions

Conversions Part 1

Format	Color
Hex	8AFDFF
RGB	138, 253, 255
RGB Percent	54%, 99%, 100%
CMY	0.4588, 0.0078, 0.0000
CMYK	0.46, 0.01, 0.00, 0.00
HSL	181°, 100%, 77%
HSV	181°, 46%, 100%
XYZ	63.6565, 82.8738, 107.2489
YIQ	218.8430, -69.1820, -23.7580

Conversions

Conversions Part 2

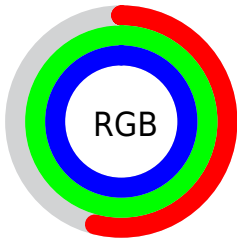
Format	Color
RYB	138, 196, 255
Decimal	9108991
CIELab	92.96, -32.19, -11.13
CIELCh	93, 34.063, 199.078
Yxy	82.8738, 0.2508, 0.3266
Android (android.graphics.Color)	4287299071 (0xFF8AFDFF)
YUV	218.8430, 17.8254, -70.8993
Hunter-Lab	91.0350, -34.4947, -6.1253

Details

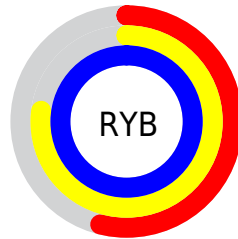
The XYZ color **63.6565, 82.8738, 107.2489** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.2061, 41.8516, 29.2153**, and the grayscale version is **67.1399, 70.6364, 76.9231**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **32.9135, 45.0936, 60.3953** is the 20% darker color. If you saturate the color by 10%, you get **59.7860, 80.6768, 107.0289**, and if you desaturate by 10%, it is **68.5220, 85.5882, 107.5164**.

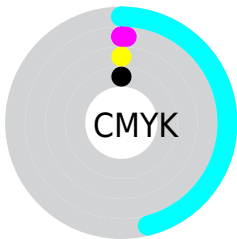
Distribution



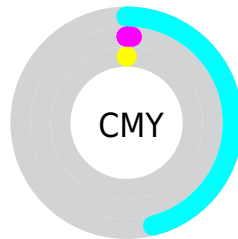
- Red (54%)
- Green (99%)
- Blue (100%)



- Red (54%)
- Yellow (77%)
- Blue (100%)



- Cyan (46%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6565, 82.8738, 107.2489 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 63.6565, 82.8738, 107.2489 by changing the saturation by 10% instead.

 63.6565, 82.8738,
107.2489


 63.6565, 82.8738,
107.2489


427.5700,
504.5658, 604.6357

 46.6332, 62.0860,
81.7175

 109.1926,
137.3987, 173.2222

 32.9525, 45.1022,
60.5983


 138.4361,
171.9046, 214.5011

 22.2491, 31.5380,
43.4726

172.4836,
211.7521, 261.8664

 14.1577, 21.0088,
29.9219

211.7006,
257.3254, 315.7364

 8.3129, 13.1305,
19.5278

256.4524,
309.0091, 376.5299

 4.3493, 7.5184,
11.8716

307.1043,

 1.9016, 3.7884,

367.1874, 444.6652

6.5348

364.0217,
432.2449, 520.5610

■ 0.5777, 1.5559,
3.0989

■ 0.0000, 0.3276,
1.1454

■ 63.6565, 82.8738,
107.2489

■ 63.6565, 82.8738,
107.2489

■ 59.7860, 80.6768,
107.0289

■ 68.5220, 85.5882,
107.5164

■ 56.8335, 78.9516,
106.8515

■ 74.4395, 88.8433,
107.8328

■ 54.7217, 77.6602,
106.7135

■ 81.4693, 92.6723,
108.2014

■ 53.3575, 76.7546,
106.6106

■ 89.6654, 97.1031,
108.6246

■ 52.6254, 76.1754,
106.5374

95.0500, 100.0000,
108.9000

■ 52.4379, 75.9958,
106.5126

Harmonies

Analogous

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



63.1106, 82.8738, 81.2515



63.6565, 82.8738, 107.2489



68.0676, 82.8738, 132.6373

Triad

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



63.6565, 82.8738, 107.2489



92.4419, 82.8738, 126.3567



82.0611, 82.8738, 50.1115

Complementary

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



63.6565, 82.8738, 107.2489



55.2061, 41.8516, 29.2153

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.



90.5372, 82.8738, 57.9963



63.6565, 82.8738, 107.2489



96.8243, 82.8738, 99.8584

Square

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



63.6565, 82.8738, 107.2489



84.5049, 82.8738, 145.0268



96.1021, 82.8738, 75.1238



73.2988, 82.8738, 51.3423

Rectangle

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



63.6565, 82.8738, 107.2489



72.8061, 82.8738, 144.2871



96.1021, 82.8738, 75.1238



85.0490, 82.8738, 51.7140

Sweetspot

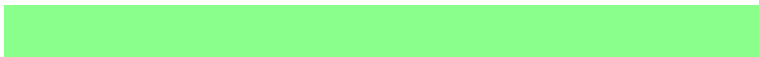
The Sweet Spot groups the original color and five complimentary colors.



63.6587, 82.8769, 107.2494



82.9198, 93.4587, 108.2767



50.9724, 78.8159, 37.3201



17.3927, 19.8112, 23.1572



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

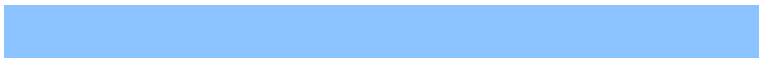
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.6587, 82.8769, 107.2494



60.0889, 80.8509, 107.0465



47.9472, 51.4538, 102.0122



18.5267, 20.4251, 23.2159



27.4120, 39.7337, 55.6592



2.6772, 3.8851, 5.4221

Inverse Universe

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



68.0595, 46.5306, 98.3261



65.0094, 40.5314, 96.9979



66.1255, 63.6905, 32.8551



18.7785, 18.2947, 22.7168



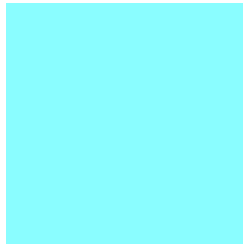
30.6245, 14.7391, 48.8007



2.9859, 1.4367, 4.7733

Previews

White Background



This preview shows how the XYZ color 63.6565, 82.8738, 107.2489 looks on a white background.

Color Contrast Check

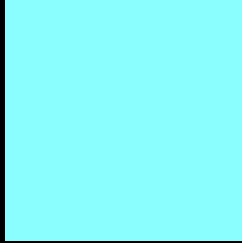
Large Text (above 18pt) WCAG AA × Fail

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 63.6565, 82.8738, 107.2489 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 63.6565, 82.8738, 107.2489

Background



This preview shows how black text looks on a background with the XYZ color 63.6565, 82.8738, 107.2489.

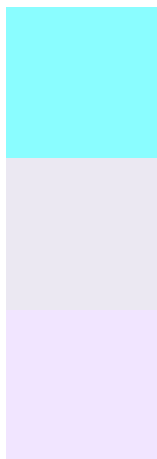


This preview shows how white text looks on a background with the XYZ color 63.6565, 82.8738,

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

63.6565, 82.8738, 107.2489

Protanopia

79.1446, 81.7862, 95.6193

Deuteranopia

82.3449, 81.9594, 106.0874



Tritanopia

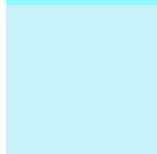
71.3358, 82.2683, 106.7273

Trichromacy



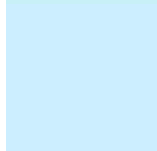
Original Color

63.6565, 82.8738, 107.2489



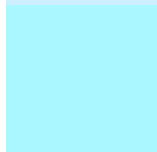
Protanomaly

71.7680, 81.3149, 99.9085



Deuteranomaly

73.5264, 81.2064, 106.4069



Tritanomaly

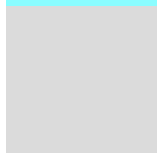
68.1054, 82.3995, 106.9229

Monochromacy



Original Color

63.6565, 82.8738, 107.2489



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

64.3766, 73.9252, 87.2199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6565, 82.8738, 107.2489 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(138, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 253, 255)  
}
```

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(138, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.6565, 82.8738, 107.2489 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(138, 253, 255) }
```


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

```
.border{ border-color:rgb(138, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6565, 82.8738, 107.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 253, 255) }
```

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

```
.background{ background-color: rgb(138,  
253, 255) }
```

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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