

Converting Colors

XYZ(107.7744, 100.0000,
342.1177)

Have a look what the booklet for
XYZ(107.7744, 100.0000, 342.1177)
contains.

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Color

**XYZ(63.1769, 82.1592,
107.1363)**

Conversions

Conversions Part 1

Format	Color
Hex	89FCFF
RGB	137, 252, 255
RGB Percent	54%, 99%, 100%
CMY	0.4627, 0.0117, 0.0000
CMYK	0.46, 0.01, 0.00, 0.00
HSL	182°, 100%, 77%
HSV	182°, 46%, 100%
XYZ	63.1769, 82.1592, 107.1363
YIQ	217.9570, -69.5030, -23.4470

Conversions

Conversions Part 2

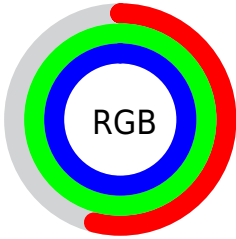
Format	Color
RYB	137, 195, 255
Decimal	9043199
CIELab	92.65, -31.94, -11.61
CIELCh	93, 33.983, 199.969
Yxy	82.1592, 0.2502, 0.3254
Android (android.graphics.Color)	4287233279 (0xFF89FCFF)
YUV	217.9570, 18.2622, -70.9993
Hunter-Lab	90.6417, -34.2092, -6.6301

Details

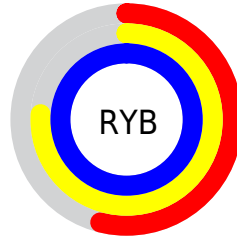
The XYZ color **63.1769, 82.1592, 107.1363** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.1339, 41.8226, 28.8355**, and the grayscale version is **66.5254, 69.9899, 76.2190**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **32.6098, 44.6033, 60.3167** is the 20% darker color. If you saturate the color by 10%, you get **59.2780, 79.8499, 106.8960**, and if you desaturate by 10%, it is **68.0685, 84.9852, 107.4239**.

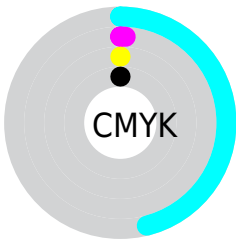
Distribution



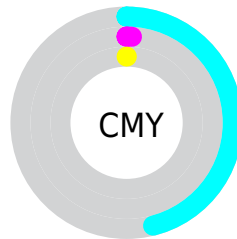
- Red (54%)
- Green (99%)
- Blue (100%)



- Red (54%)
- Yellow (76%)
- 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 63.1769, 82.1592, 107.1363 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 63.1769, 82.1592, 107.1363 by changing the saturation by 10% instead.

 63.1769, 82.1592,
107.1363


 63.1769, 82.1592,
107.1363

425.8607,
502.1801, 604.2790

 46.2435, 61.4968,
81.6236


 108.5051,
136.3972, 173.0671

 32.6435, 44.6262,
60.5213

 137.6306,
170.7416, 214.3224

 22.0114, 31.1631,
43.4109


171.5508,
210.4155, 261.6622

 13.9819, 20.7231,
29.8739

210.6311,
255.8031, 315.5051

 8.1897, 12.9217,
19.4916

255.2369,
307.2890, 376.2697

 4.2694, 7.3747,
11.8457

305.7336,

 1.8556, 3.6975,

365.2575, 444.3746

6.5174

362.4864,
430.0931, 520.2381

■ 0.5509, 1.5058,
3.0883

■ 0.0000, 0.2928,
1.1399

■ 63.1769, 82.1592,
107.1363

■ 63.1769, 82.1592,
107.1363

■ 59.2780, 79.8499,
106.8960

■ 68.0685, 84.9852,
107.4239

■ 56.2947, 78.0116,
106.6985

■ 74.0100, 88.3515,
107.7606

■ 54.1490, 76.6062,
106.5403

■ 81.0621, 92.2914,
108.1493

■ 52.7473, 75.5854,
106.4171

■ 89.2788, 96.8327,
108.5928

■ 51.9728, 74.8889, 95.0500, 100.0000,
106.3235 108.9000

■ 51.7793, 74.6787,
106.2931

Harmonies

Analogous

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



62.5174, 82.1592, 81.2425



63.1769, 82.1592, 107.1363



67.6579, 82.1592, 132.1553

Triad

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



63.1769, 82.1592, 107.1363



91.8435, 82.1592, 124.5688



81.0884, 82.1592, 49.5693

Complementary

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



63.1769, 82.1592, 107.1363



55.1339, 41.8226, 28.8355

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.



89.5425, 82.1592, 57.1165



63.1769, 82.1592, 107.1363



96.0548, 82.1592, 98.2082

Square

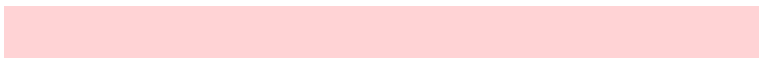
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.1769, 82.1592, 107.1363



84.0407, 82.1592, 143.4628



95.1823, 82.1592, 73.8389



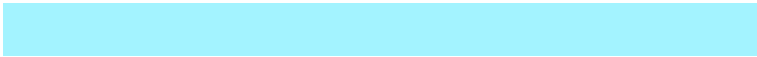
72.4267, 82.1592, 51.0567

Rectangle

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



63.1769, 82.1592, 107.1363



72.4105, 82.1592, 143.4384



95.1823, 82.1592, 73.8389



84.0587, 82.1592, 51.0690

Sweetspot

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



63.1791, 82.1623, 107.1368



82.8253, 93.2697, 108.2452



50.7355, 78.7020, 36.9322



17.3694, 19.7646, 23.1494



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

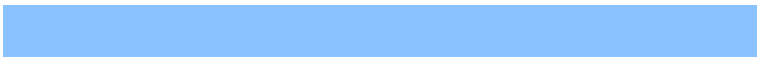
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.1791, 82.1623, 107.1368



59.3719, 79.9065, 106.9020



47.6671, 51.1383, 101.9661



18.5130, 20.3976, 23.2113



27.0736, 39.0568, 55.5464



2.6481, 3.8269, 5.4124

Inverse Universe

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



67.7577, 46.1813, 97.4417



64.5280, 39.8812, 95.8735



65.9427, 63.4403, 32.4384



18.7716, 18.2919, 22.6803



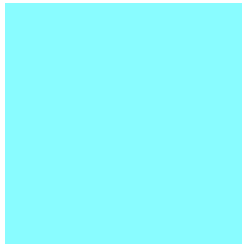
30.4537, 14.6708, 47.9012



2.9712, 1.4309, 4.6960

Previews

White Background



This preview shows how the XYZ color 63.1769, 82.1592, 107.1363 looks on a white background.

Color Contrast Check

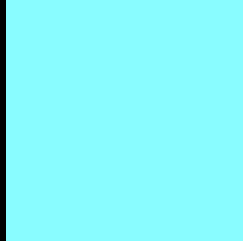
Large Text (above 18pt) WCAG AA × Fail

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 63.1769, 82.1592, 107.1363 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 63.1769, 82.1592, 107.1363

Background



This preview shows how black text looks on a background with the XYZ color 63.1769, 82.1592, 107.1363.

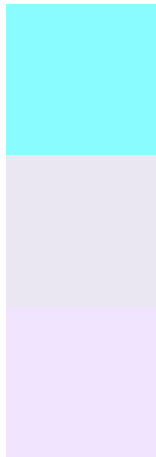


This preview shows how white text looks on a background with the XYZ color 63.1769, 82.1592,

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

63.1769, 82.1592, 107.1363

Protanopia

78.5346, 81.0551, 95.5104

Deuteranopia

81.7286, 81.2321, 105.9795



Tritanopia

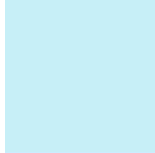
70.3503, 81.7603, 106.6812

Trichromacy



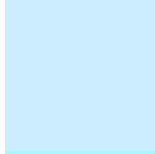
Original Color

63.1769, 82.1592, 107.1363



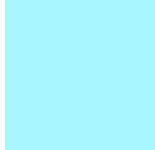
Protanomaly

71.2082, 80.5905, 99.7981



Deuteranomaly

72.9628, 80.4849, 106.2973



Tritanomaly

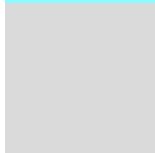
67.1542, 81.4564, 106.7910

Monochromacy



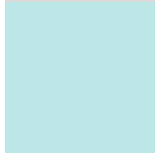
Original Color

63.1769, 82.1592, 107.1363



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

63.7069, 73.1820, 86.3691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1769, 82.1592, 107.1363 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(137, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 252, 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(137, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.1769, 82.1592, 107.1363 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(137, 252, 255) }
```


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

```
.border{ border-color:rgb(137, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1769, 82.1592, 107.1363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 252, 255) }
```

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

```
.background{ background-color: rgb(137,  
252, 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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