

Converting Colors

XYZ(67.4619, 97.8263, 91.5275)

Have a look what the booklet for
XYZ(67.4619, 97.8263, 91.5275)
contains.

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Color

**XYZ(59.6856, 82.1715,
89.0589)**

Conversions

Conversions Part 1

Format	Color
Hex	83FFE8
RGB	131, 255, 232
RGB Percent	51%, 100%, 91%
CMY	0.4863, 0.0000, 0.0902
CMYK	0.49, 0.00, 0.09, 0.00
HSL	169°, 100%, 76%
HSV	169°, 49%, 100%
XYZ	59.6856, 82.1715, 89.0589
YIQ	215.3020, -66.5210, -33.4410

Conversions

Conversions Part 2

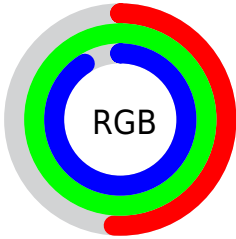
Format	Color
RYB	131, 199, 255
Decimal	8650728
CIELab	92.65, -40.15, 0.29
CIELCh	93, 40.155, 179.589
Yxy	82.1715, 0.2585, 0.3559
Android (android.graphics.Color)	4286840808 (0xFF83FFE8)
YUV	215.3020, 8.2321, -73.9329
Hunter-Lab	90.6485, -41.1053, 5.2036

Details

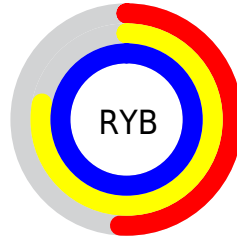
The XYZ color **59.6856, 82.1715, 89.0589** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **55.1899, 39.8271, 35.3516**, and the grayscale version is **64.7745, 68.1478, 74.2130**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **30.4145, 44.7517, 48.1092** is the 20% darker color. If you saturate the color by 10%, you get **55.5479, 80.1150, 85.4063**, and if you desaturate by 10%, it is **64.8150, 84.7371, 92.8551**.

Distribution



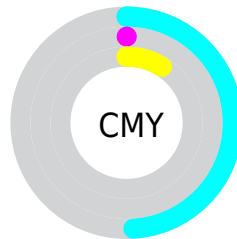
- Red (51%)
- Green (100%)
- Blue (91%)



- Red (51%)
- Yellow (78%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6856, 82.1715, 89.0589 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 59.6856, 82.1715, 89.0589 by changing the saturation by 10% instead.

59.6856, 82.1715,
89.0589

59.6856, 82.1715,
89.0589

413.2913,
502.2212, 545.4556

43.4138, 61.5069,
66.6311

103.4824,
136.4145, 147.9545

30.4058, 44.6344,
48.3251

131.7381,
170.7617, 185.2594

20.2964, 31.1695,
33.7226

164.7191,
210.4385, 228.3604

12.7202, 20.7280,
22.4050

202.7907,
255.8293, 277.6760

7.3118, 12.9253,
13.9536

246.3184,
307.3187, 333.6248

3.7059, 7.3771,
7.9500

295.6675,

1.5372, 3.6991,

365.2908, 396.6253

3.9757

351.2033,
430.1302, 467.0961

■ 0.3509, 1.5067,
1.6120

■ 0.0000, 0.2934,
0.2994

■ 59.6856, 82.1715,
89.0589

■ 59.6856, 82.1715,
89.0589

■ 55.5479, 80.1150,
85.4063

■ 64.8150, 84.7371,
92.8551

■ 52.3264, 78.5288,
81.8889

■ 70.9987, 87.8441,
96.7943

■ 49.9390, 77.3705,
78.5034

■ 78.2972, 91.5238,
100.8816

■ 48.2877, 76.5896,
75.2446

■ 86.7659, 95.8044,
105.1201

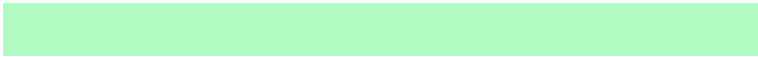
■ 47.2326, 76.1141, 95.0500, 100.0000,
72.1051 108.9000

■ 47.1087, 76.0595,
71.6817

Harmonies

Analogous

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



62.0254, 82.1715, 63.3925



59.6856, 82.1715, 89.0589



61.9020, 82.1715, 120.9935

Triad

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



59.6856, 82.1715, 89.0589



88.4473, 82.1715, 149.4082



88.7186, 82.1715, 48.4589

Complementary

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



59.6856, 82.1715, 89.0589



55.1899, 39.8271, 35.3516

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.



96.9062, 82.1715, 63.9620



59.6856, 82.1715, 89.0589



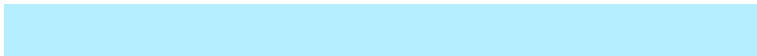
96.7400, 82.1715, 121.8694

Square

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



59.6856, 82.1715, 89.0589



77.9576, 82.1715, 160.2181



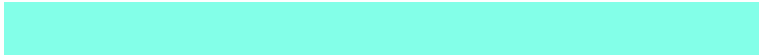
99.9624, 82.1715, 89.8840



78.2457, 82.1715, 43.3881

Rectangle

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



59.6856, 82.1715, 89.0589



65.7886, 82.1715, 140.8182



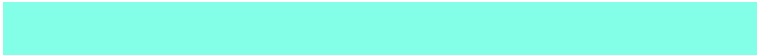
99.9624, 82.1715, 89.8840



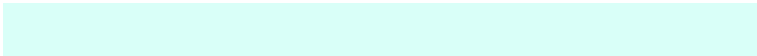
91.8622, 82.1715, 52.4236

Sweetspot

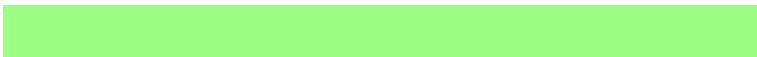
The Sweet Spot groups the original color and five complimentary colors.



59.6866, 82.1720, 89.0603



81.2296, 93.0049, 102.4006



53.5294, 80.2072, 34.1346



17.0175, 19.7205, 21.7284



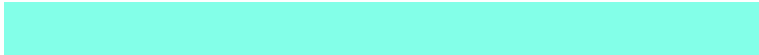
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



59.6866, 82.1720, 89.0603



55.7791, 80.2295, 85.6309



52.4307, 62.0855, 103.8281



18.4018, 20.4203, 22.4190



24.6673, 39.7635, 37.7290



2.4375, 3.8859, 3.8617

Inverse Universe

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



55.1899, 39.8271, 35.3516



50.8484, 33.5324, 26.5416



59.3772, 50.9792, 28.1849



18.1470, 18.0421, 19.3911



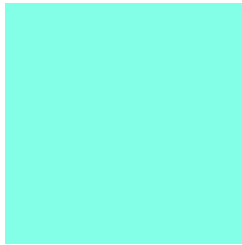
21.8592, 11.2330, 2.6432



2.1634, 1.1077, 0.4420

Previews

White Background



This preview shows how the XYZ color 59.6856, 82.1715, 89.0589 looks on a white background.

Color Contrast Check

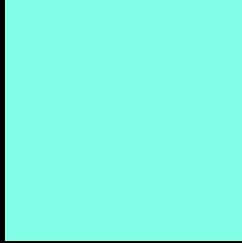
Large Text (above 18pt) WCAG AA × Fail

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 59.6856, 82.1715, 89.0589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

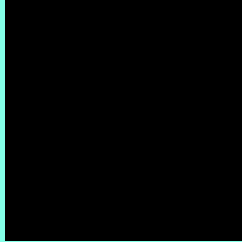
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

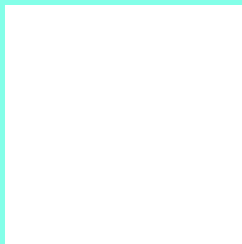
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.6856, 82.1715, 89.0589

Background



This preview shows how black text looks on a background with the XYZ color 59.6856, 82.1715, 89.0589.

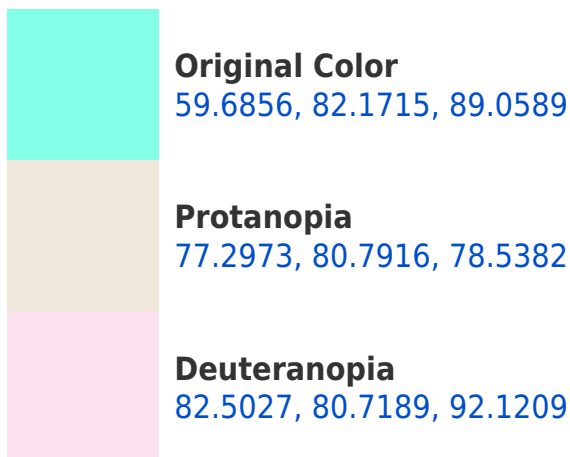


This preview shows how white text looks on a background with the XYZ color 59.6856, 82.1715,

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





Tritanopia

70.3503, 81.7603, 106.6812

Trichromacy



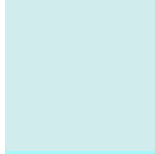
Original Color

59.6856, 82.1715, 89.0589



Protanomaly

68.4341, 79.9814, 82.3521



Deuteranomaly

71.1482, 79.4569, 90.9437



Tritanomaly

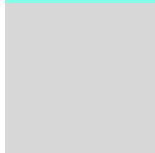
65.7752, 81.3439, 100.2299

Monochromacy



Original Color

59.6856, 82.1715, 89.0589



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.1151, 72.0044, 79.0837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6856, 82.1715, 89.0589 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(131, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 232)  
}
```

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(131, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 59.6856, 82.1715, 89.0589 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(131, 255, 232) }
```


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

```
.border{ border-color:rgb(131, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 255, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 255, 232); box-shadow:4px 4px 4px 4px rgb(131, 255, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6856, 82.1715, 89.0589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 232) }
```

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

```
.background{ background-color: rgb(131,  
255, 232) }
```

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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