

Converting Colors

XYZ(58.9576, 80.5928, 88.9831)

Have a look what the booklet for
XYZ(58.9576, 80.5928, 88.9831)
contains.

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Color

**XYZ(58.7360, 80.2723,
88.7423)**

Conversions

Conversions Part 1

Format	Color
Hex	83FCE8
RGB	131, 252, 232
RGB Percent	51%, 99%, 91%
CMY	0.4863, 0.0117, 0.0902
CMYK	0.48, 0.00, 0.08, 0.01
HSL	170°, 95%, 75%
HSV	170°, 48%, 99%
XYZ	58.7360, 80.2723, 88.7423
YIQ	213.5410, -65.6960, -31.8720

Conversions

Conversions Part 2

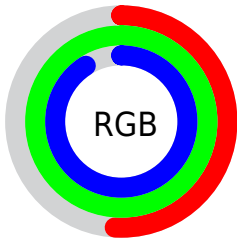
Format	Color
RYB	131, 197, 252
Decimal	8649960
CIELab	91.81, -38.80, -0.94
CIELCh	92, 38.812, 181.395
Yxy	80.2723, 0.2579, 0.3525
Android (android.graphics.Color)	4286840040 (0xFF83FCE8)
YUV	213.5410, 9.1003, -72.3885
Hunter-Lab	89.5948, -39.7710, 3.9905

Details

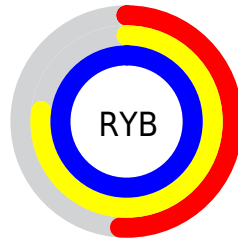
The XYZ color **58.7360, 80.2723, 88.7423** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **53.8499, 39.1647, 34.0026**, and the grayscale version is **63.5827, 66.8939, 72.8475**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **29.8058, 43.4300, 47.8862** is the 20% darker color. If you saturate the color by 10%, you get **54.7132, 78.2680, 85.5030**, and if you desaturate by 10%, it is **63.7265, 82.7778, 92.1037**.

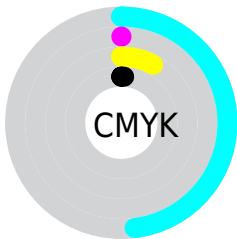
Distribution



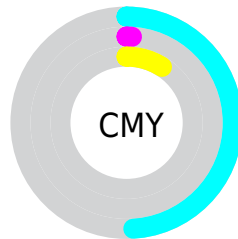
- Red (51%)
- Green (99%)
- Blue (91%)



- Red (51%)
- Yellow (77%)
- Blue (99%)



- Cyan (48%)
- Magenta (0%)
- Yellow (8%)
- Black (1%)





- Cyan (49%)
- Magenta (1%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7360, 80.2723, 88.7423 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 58.7360, 80.2723, 88.7423 by changing the saturation by 10% instead.


 58.7360, 80.2723,
88.7423


 58.7360, 80.2723,
88.7423


409.8327,
495.8500, 544.3952

 42.6462, 59.9425,
66.3702


 102.1107,
133.7485, 147.5104

 29.8009, 43.3723,
48.1146


 130.1263,
167.6637, 184.7434

 19.8349, 30.1773,
33.5570

 162.8478,
206.8760, 227.7671

 12.3826, 19.9732,
22.2789

200.6407,
251.7700, 277.0001

 7.0789, 12.3756,
13.8617

243.8703,
302.7300, 332.8608

 3.5582, 7.0000,
7.8869

292.9019,

 1.4554, 3.4621,

360.1404, 395.7679

3.9359

348.1009,
424.3856, 466.1399

■ 0.2952, 1.3775,
1.5903

■ 0.0000, 0.2000,
0.2838

■ 58.7360, 80.2723,
88.7423

■ 58.7360, 80.2723,
88.7423

■ 54.7132, 78.2680,
85.5030

■ 63.7265, 82.7778,
92.1037

■ 51.5811, 76.7193,
82.3763

■ 69.7409, 85.8075,
95.5849

■ 49.2622, 75.5882,
79.3599

■ 76.8390, 89.3943,
99.1911

■ 47.6624, 74.8263,
76.4490

■ 85.0744, 93.5656,
102.9252

■ 46.6539, 74.3676,
73.6368

■ 93.7545, 97.9646,
106.7553

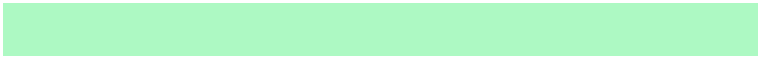
■ 46.4877, 74.2939,
73.0886

■ 94.1017, 98.1035,
108.5839

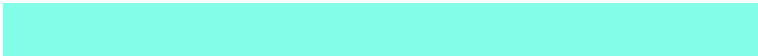
Harmonies

Analogous

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



60.7131, 80.2723, 63.7228



58.7360, 80.2723, 88.7423



61.1136, 80.2723, 119.1392

Triad

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



58.7360, 80.2723, 88.7423



86.6949, 80.2723, 142.9632



85.8202, 80.2723, 47.6082

Complementary

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



58.7360, 80.2723, 88.7423



53.8499, 39.1647, 34.0026

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.



93.8061, 80.2723, 61.8713



58.7360, 80.2723, 88.7423



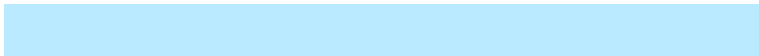
94.3412, 80.2723, 116.3241

Square

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



58.7360, 80.2723, 88.7423



76.7627, 80.2723, 154.3583



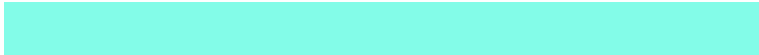
97.0484, 80.2723, 86.0770



75.8320, 80.2723, 43.2987

Rectangle

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



58.7360, 80.2723, 88.7423



64.9789, 80.2723, 137.5500



97.0484, 80.2723, 86.0770



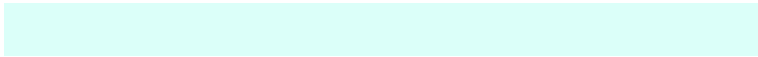
88.8572, 80.2723, 51.2189

Sweetspot

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



58.7383, 80.2755, 88.7442



82.1780, 93.4723, 103.4138



51.7031, 77.8580, 33.7775



17.2100, 19.8148, 21.9588



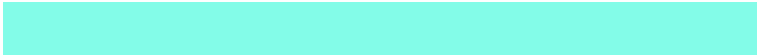
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



58.7383, 80.2755, 88.7442



56.1958, 80.3962, 87.8251



50.3935, 58.7769, 100.7881



17.6353, 19.5564, 21.5463



24.2622, 38.7179, 38.3198



2.2788, 3.5986, 3.7161

Inverse Universe

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



53.8499, 39.1647, 34.0026



50.6422, 33.4499, 25.4558



58.8703, 51.5887, 28.3293



17.3616, 17.2720, 18.4942



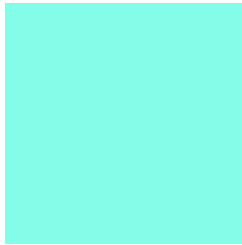
21.1618, 10.8804, 2.2946



1.9922, 1.0206, 0.3825

Previews

White Background



This preview shows how the XYZ color 58.7360, 80.2723, 88.7423 looks on a white background.

Color Contrast Check

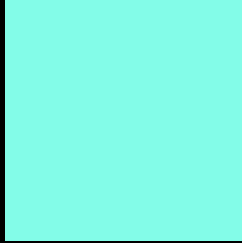
Large Text (above 18pt) WCAG AA × Fail

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 58.7360, 80.2723, 88.7423 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

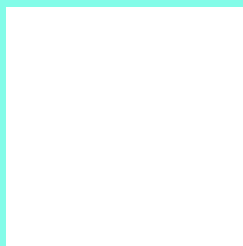
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.7360, 80.2723, 88.7423

Background



This preview shows how black text looks on a background with the XYZ color 58.7360, 80.2723, 88.7423.

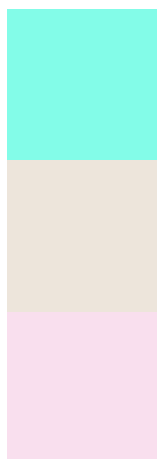


This preview shows how white text looks on a background with the XYZ color 58.7360, 80.2723,

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

58.7360, 80.2723, 88.7423

Protanopia

75.7305, 79.1576, 78.3054

Deuteranopia

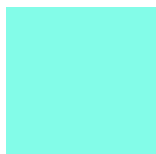
80.8872, 79.0881, 91.8912



Tritanopia

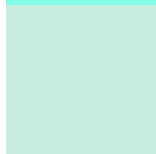
67.8654, 79.5956, 106.3943

Trichromacy



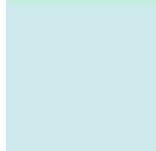
Original Color

58.7360, 80.2723, 88.7423



Protanomaly

67.0274, 77.9560, 82.0353



Deuteranomaly

70.0167, 78.0236, 90.7267



Tritanomaly

64.1389, 79.5973, 99.9790

Monochromacy



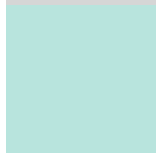
Original Color

58.7360, 80.2723, 88.7423



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

60.5617, 70.8976, 78.8993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7360, 80.2723, 88.7423 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, 252, 232)` looks like.

```
.text, #text, p{  
    color:rgb(131, 252, 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, 252, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 252, 232) }
```

Border

The CSS property to change the border of an element to XYZ 58.7360, 80.2723, 88.7423 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, 252, 232) }
```


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

```
.border{ border-color:rgb(131, 252, 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, 252, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 252, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 252, 232);  
box-shadow:4px 4px 4px 4px rgb(131, 252,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7360, 80.2723, 88.7423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 252, 232) }
```

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

```
.background{ background-color: rgb(131,  
252, 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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