

Converting Colors

XYZ(59.1883, 81.9198, 88.8264)

Have a look what the booklet for
XYZ(59.1883, 81.9198, 88.8264)
contains.

XYZ(59.2276, 81.9354, 89.0374)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.2276, 81.9354,
89.0374)**

Conversions

Conversions Part 1

Format	Color
Hex	80FFE8
RGB	128, 255, 232
RGB Percent	50%, 100%, 91%
CMY	0.4980, 0.0000, 0.0902
CMYK	0.50, 0.00, 0.09, 0.00
HSL	169°, 100%, 75%
HSV	169°, 50%, 100%
XYZ	59.2276, 81.9354, 89.0374
YIQ	214.4050, -68.3090, -34.0770

Conversions

Conversions Part 2

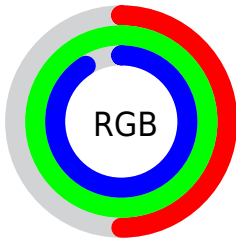
Format	Color
RYB	128, 198, 255
Decimal	8454120
CIELab	92.55, -40.80, 0.12
CIElCh	93, 40.803, 179.827
Yxy	81.9354, 0.2573, 0.3559
Android (android.graphics.Color)	4286644200 (0xFF80FFE8)
YUV	214.4050, 8.6743, -75.7772
Hunter-Lab	90.5182, -41.6112, 5.0426

Details

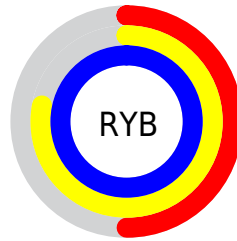
The XYZ color **59.2276, 81.9354, 89.0374** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **54.5460, 38.9341, 33.9196**, and the grayscale version is **64.1660, 67.5077, 73.5158**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **30.1449, 44.6127, 48.0966** is the 20% darker color. If you saturate the color by 10%, you get **55.2151, 79.9416, 85.4713**, and if you desaturate by 10%, it is **64.2229, 84.4338, 92.7423**.

Distribution



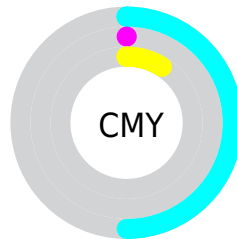
- Red (50%)
- Green (100%)
- Blue (91%)



- Red (50%)
- Yellow (78%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.2276, 81.9354, 89.0374 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 59.2276, 81.9354, 89.0374 by changing the saturation by 10% instead.


 59.2276, 81.9354,
89.0374


 59.2276, 81.9354,
89.0374


411.6254,
501.4316, 545.3836

 43.0434, 61.3123,
66.6133


 102.8211,
136.0834, 147.9244

 30.1139, 44.4772,
48.3108


 130.9612,
170.3771, 185.2244

 20.0735, 31.0459,
33.7114


 163.8173,
209.9964, 228.3201

 12.5571, 20.6338,
22.3964

201.7547,
255.3258, 277.6301

 7.1992, 12.8566,
13.9474

245.1389,
306.7496, 333.5729

 3.6344, 7.3299,
7.9457

294.3352,

 1.4975, 3.6692,

364.6522, 396.5671

3.9730

349.7089,
429.4181, 467.0312

■ 0.3241, 1.4903,
1.6105

■ 0.0000, 0.2819,
0.2983

■ 59.2276, 81.9354,
89.0374

■ 59.2276, 81.9354,
89.0374

■ 55.2151, 79.9416,
85.4713

■ 64.2229, 84.4338,
92.7423

■ 52.1087, 78.4131,
82.0356

■ 70.2642, 87.4694,
96.5853

■ 49.8251, 77.3067,
78.7270

■ 77.4128, 91.0738,
100.5715

■ 48.2638, 76.5707,
75.5401

■ 85.7244, 95.2757,
104.7041

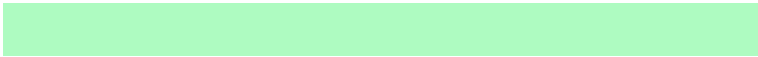
■ 47.2641, 76.1224, 95.0500, 100.0000,
72.4667 108.9000

■ 47.2465, 76.1146,
72.4068

Harmonies

Analogous

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



61.5575, 81.9354, 62.9815



59.2276, 81.9354, 89.0374



61.5049, 81.9354, 121.4978

Triad

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



59.2276, 81.9354, 89.0374



88.4571, 81.9354, 150.0145



88.5733, 81.9354, 47.6787

Complementary

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



59.2276, 81.9354, 89.0374



54.5460, 38.9341, 33.9196

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.



96.9240, 81.9354, 63.2242



59.2276, 81.9354, 89.0374



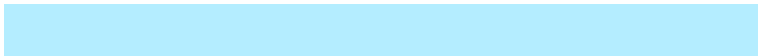
96.8528, 81.9354, 121.8737

Square

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



59.2276, 81.9354, 89.0374



77.8155, 81.9354, 161.2120



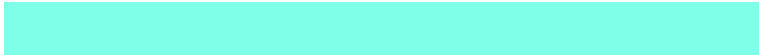
100.0804, 81.9354, 89.3903



77.9388, 81.9354, 42.6594

Rectangle

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



59.2276, 81.9354, 89.0374



65.4589, 81.9354, 141.6405



100.0804, 81.9354, 89.3903



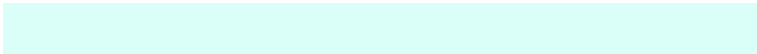
91.7743, 81.9354, 51.6424

Sweetspot

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



59.2286, 81.9359, 89.0388



81.2556, 93.0153, 102.5376



52.4725, 79.6855, 33.0390



17.0238, 19.7230, 21.7616



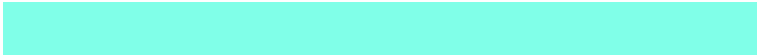
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



59.2286, 81.9359, 89.0388



55.1450, 79.9070, 85.4021



51.1985, 60.3010, 103.5485



18.4054, 20.4217, 22.4378



24.7384, 39.7920, 38.1033



2.4438, 3.8884, 3.8948

Inverse Universe

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



54.5460, 38.9341, 33.9196



50.0010, 32.3666, 24.6283



59.1799, 50.9052, 27.1303



18.1437, 18.0408, 19.3737



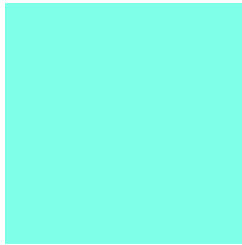
21.8468, 11.2280, 2.5776



2.1617, 1.1071, 0.4332

Previews

White Background



This preview shows how the XYZ color 59.2276, 81.9354, 89.0374 looks on a white background.

Color Contrast Check

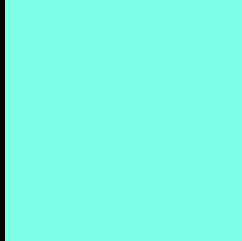
Large Text (above 18pt) WCAG AA × Fail

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 59.2276, 81.9354, 89.0374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

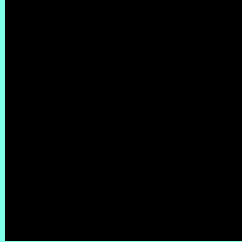
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

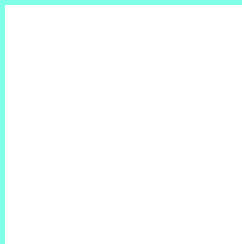
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.2276, 81.9354, 89.0374

Background



This preview shows how black text looks on a background with the XYZ color 59.2276, 81.9354, 89.0374.

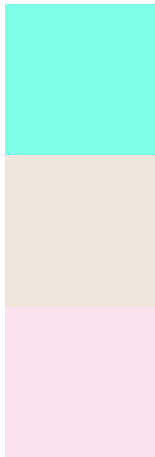


This preview shows how white text looks on a background with the XYZ color 59.2276, 81.9354,

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

59.2276, 81.9354, 89.0374

Protanopia

76.9587, 80.6170, 78.5223

Deuteranopia

82.5027, 80.7189, 92.1209



Tritanopia

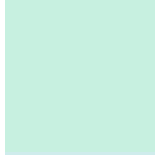
70.1082, 81.6355, 106.6699

Trichromacy



Original Color

59.2276, 81.9354, 89.0374



Protanomaly

68.1678, 79.8441, 82.3396



Deuteranomaly

70.8679, 79.3124, 90.9306



Tritanomaly

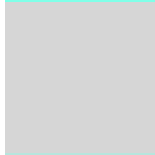
65.3591, 81.1294, 100.2104

Monochromacy



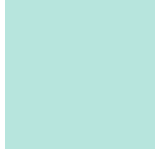
Original Color

59.2276, 81.9354, 89.0374



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

60.5989, 71.3264, 78.9801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2276, 81.9354, 89.0374 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(128, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 59.2276, 81.9354, 89.0374 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(128, 255, 232) }
```


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

```
.border{ border-color:rgb(128, 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(128, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2276, 81.9354, 89.0374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 232) }
```

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

```
.background{ background-color: rgb(128,  
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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