

Converting Colors

XYZ(69.4516, 100.0000,
97.5937)

Have a look what the booklet for
XYZ(69.4516, 100.0000, 97.5937)
contains.

XYZ(60.7001, 82.5773, 94.4011)	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(60.7001, 82.5773,
94.4011)**

Conversions

Conversions Part 1

Format	Color
Hex	83FFEF
RGB	131, 255, 239
RGB Percent	51%, 100%, 94%
CMY	0.4863, 0.0000, 0.0627
CMYK	0.49, 0.00, 0.06, 0.00
HSL	172°, 100%, 76%
HSV	172°, 49%, 100%
XYZ	60.7001, 82.5773, 94.4011
YIQ	216.1000, -68.7680, -31.2640

Conversions

Conversions Part 2

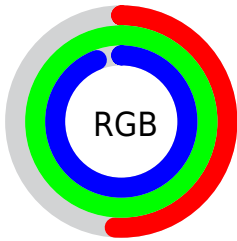
Format	Color
RYB	131, 197, 255
Decimal	8650735
CIELab	92.83, -38.51, -3.07
CIElCh	93, 38.633, 184.560
Yxy	82.5773, 0.2554, 0.3474
Android (android.graphics.Color)	4286840815 (0xFF83FFEF)
YUV	216.1000, 11.2897, -74.6327
Hunter-Lab	90.8721, -39.7929, 2.0179

Details

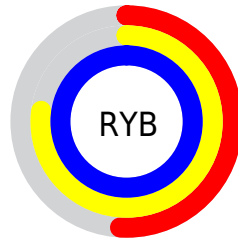
The XYZ color **60.7001, 82.5773, 94.4011** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **54.6237, 39.6007, 32.3699**, and the grayscale version is **65.2979, 68.6984, 74.8126**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **31.1252, 45.0360, 51.8521** is the 20% darker color. If you saturate the color by 10%, you get **56.7437, 80.5933, 91.7028**, and if you desaturate by 10%, it is **65.6392, 85.0668, 97.1944**.

Distribution



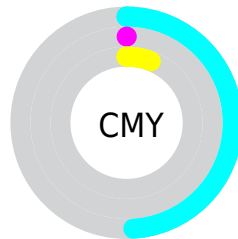
- Red (51%)
- Green (100%)
- Blue (94%)



- Red (51%)
- Yellow (77%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.7001, 82.5773, 94.4011 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 60.7001, 82.5773, 94.4011 by changing the saturation by 10% instead.

60.7001, 82.5773,
94.4011

60.7001, 82.5773,
94.4011

416.9670,
503.5767, 563.1812

44.2348, 61.8415,
71.0425

104.9452,
136.9833, 155.4254

31.0538, 44.9046,
51.8948

133.4556,
171.4223, 193.9281

20.7919, 31.3823,
36.5396

166.7119,
211.1977, 238.3160

13.0836, 20.8902,
24.5582

205.0792,
256.6941, 289.0076

7.5635, 13.0437,
15.5322

248.9231,
308.2958, 346.4213

3.8664, 7.4587,
9.0430

298.6088,

1.6268, 3.7506,

366.3872, 410.9758

4.6720

354.5016,
431.3527, 483.0896

■ 0.4098, 1.5350,
2.0008

■ 0.0000, 0.3132,
0.5558

■ 60.7001, 82.5773,
94.4011

■ 60.7001, 82.5773,
94.4011

■ 56.7437, 80.5933,
91.7028

■ 65.6392, 85.0668,
97.1944

■ 53.6942, 79.0759,
89.0915

■ 71.6231, 88.0939,
100.0816

■ 51.4698, 77.9828,
86.5645

■ 78.7124, 91.6899,
103.0673

■ 49.9726, 77.2636,
84.1170

■ 86.9624, 95.8831,
106.1541

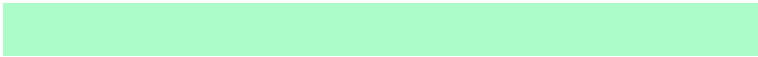
■ 49.0627, 76.8462, 95.0500, 100.0000,
81.7422 108.9000

■ 48.9581, 76.7992,
81.4203

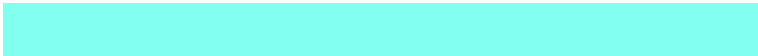
Harmonies

Analogous

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



62.2455, 82.5773, 68.1037



60.7001, 82.5773, 94.4011



63.5759, 82.5773, 125.2407

Triad

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



60.7001, 82.5773, 94.4011



90.0098, 82.5773, 143.8428



87.1155, 82.5773, 48.5071

Complementary

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



60.7001, 82.5773, 94.4011



54.6237, 39.6007, 32.3699

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.



95.5648, 82.5773, 61.9441



60.7001, 82.5773, 94.4011



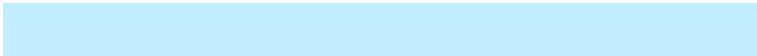
97.3337, 82.5773, 115.9415

Square

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



60.7001, 82.5773, 94.4011



80.0392, 82.5773, 157.4143



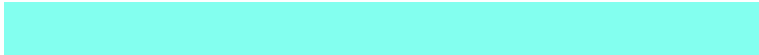
99.4484, 82.5773, 85.5688



76.9555, 82.5773, 45.1361

Rectangle

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



60.7001, 82.5773, 94.4011



67.7713, 82.5773, 143.1752



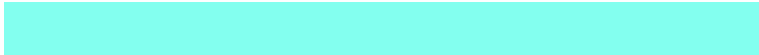
99.4484, 82.5773, 85.5688



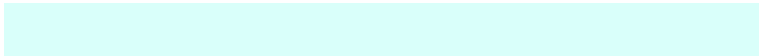
90.2772, 82.5773, 51.8305

Sweetspot

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



60.7011, 82.5778, 94.4026



81.5665, 93.1396, 104.1745



51.9864, 79.4117, 34.0626



17.0994, 19.7532, 22.1595



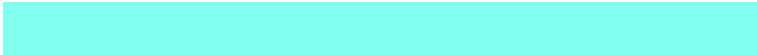
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



60.7011, 82.5778, 94.4026



56.9638, 80.7033, 91.8690



50.3429, 57.9097, 103.1321



18.4480, 20.4387, 22.6624



25.6211, 40.1450, 42.7516



2.5216, 3.9196, 4.3044

Inverse Universe

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



54.6237, 39.6007, 32.3699



50.2858, 33.3073, 23.5791



60.9547, 54.1341, 28.7108



18.1047, 18.0252, 19.1687



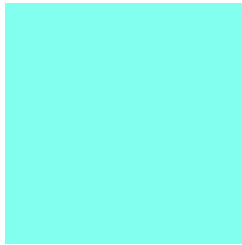
21.7208, 11.1776, 1.9141



2.1432, 1.0997, 0.3355

Previews

White Background



This preview shows how the XYZ color 60.7001, 82.5773, 94.4011 looks on a white background.

Color Contrast Check

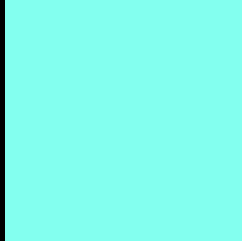
Large Text (above 18pt) WCAG AA × Fail

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 60.7001, 82.5773, 94.4011 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 60.7001, 82.5773, 94.4011

Background



This preview shows how black text looks on a background with the XYZ color 60.7001, 82.5773, 94.4011.

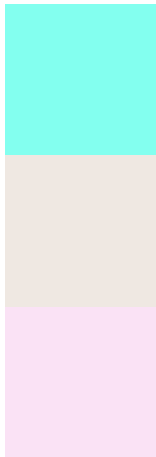


This preview shows how white text looks on a background with the XYZ color 60.7001, 82.5773,

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

60.7001, 82.5773, 94.4011

Protanopia

78.1807, 81.5549, 83.5726

Deuteranopia

83.1021, 81.3093, 97.7005



Tritanopia

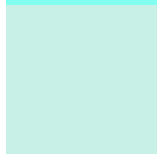
70.8396, 82.0126, 106.7041

Trichromacy



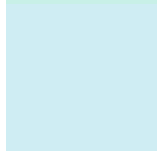
Original Color

60.7001, 82.5773, 94.4011



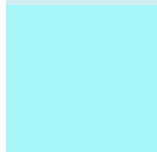
Protanomaly

69.4033, 80.3691, 87.4561



Deuteranomaly

72.1940, 80.3048, 96.4894



Tritanomaly

66.2960, 81.5766, 101.8742

Monochromacy



Original Color

60.7001, 82.5773, 94.4011



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

61.7589, 72.2897, 81.2193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.7001, 82.5773, 94.4011 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 60.7001, 82.5773, 94.4011 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, 239) }
```


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

```
.border{ border-color:rgb(131, 255, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 60.7001, 82.5773, 94.4011 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, 239) }
```

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

```
.background{ background-color: rgb(131,  
255, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor