

Converting Colors

XYZ(64.1034, 81.8453, 91.2237)

Have a look what the booklet for
XYZ(64.1034, 81.8453, 91.2237)
contains.

XYZ(64.2853, 82.1559, 91.0667)	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(64.2853, 82.1559,
91.0667)**

Conversions

Conversions Part 1

Format	Color
Hex	A3FAEB
RGB	163, 250, 235
RGB Percent	64%, 98%, 92%
CMY	0.3608, 0.0196, 0.0784
CMYK	0.35, 0.00, 0.06, 0.02
HSL	170°, 90%, 81%
HSV	170°, 35%, 98%
XYZ	64.2853, 82.1559, 91.0667
YIQ	222.2770, -47.0370, -23.1090

Conversions

Conversions Part 2

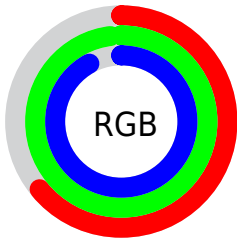
Format	Color
RYB	163, 211, 250
Decimal	10746603
CIELab	92.64, -29.40, -1.12
CIELCh	93, 29.417, 182.180
Yxy	82.1559, 0.2707, 0.3459
Android (android.graphics.Color)	4288936683 (0xFFA3FAEB)
YUV	222.2770, 6.2724, -51.9859
Hunter-Lab	90.6399, -32.0207, 3.8787

Details

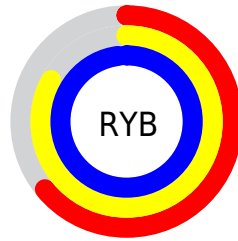
The XYZ color **64.2853, 82.1559, 91.0667** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.5603, 49.7351, 48.5308**, and the grayscale version is **69.6097, 73.2348, 79.7527**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **33.2701, 44.5204, 49.4876** is the 20% darker color. If you saturate the color by 10%, you get **59.0489, 79.5296, 87.6109**, and if you desaturate by 10%, it is **70.5533, 85.3164, 94.6531**.

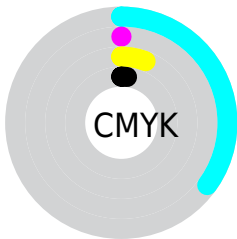
Distribution



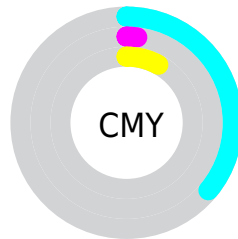
- Red (64%)
- Green (98%)
- Blue (92%)



- Red (64%)
- Yellow (83%)
- Blue (98%)



- Cyan (35%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)





- Cyan (36%)
- Magenta (2%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2853, 82.1559, 91.0667 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 64.2853, 82.1559, 91.0667 by changing the saturation by 10% instead.


 64.2853, 82.1559,
91.0667


 64.2853, 82.1559,
91.0667


429.8051,
502.1690, 552.1541

 47.1443, 61.4940,
68.2870


 110.0932,
136.3926, 150.7676

 33.3582, 44.6240,
49.6631


 139.4907,
170.7362, 188.5260

 22.5615, 31.1614,
34.7765


173.7046,
210.4093, 232.1143

 14.3890, 20.7218,
23.2086

213.1001,
255.7961, 281.9511

 8.4752, 12.9208,
14.5409

258.0425,
307.2811, 338.4549

 4.4549, 7.3740,
8.3548

308.8972,

 1.9625, 3.6971,

365.2486, 402.0443

4.2318

366.0296,
430.0831, 473.1379

■ 0.6128, 1.5056,
1.7533

■ 0.0000, 0.2927,
0.3969

■ 64.2853, 82.1559,
91.0667

■ 64.2853, 82.1559,
91.0667

■ 59.0489, 79.5296,
87.6109

■ 70.5533, 85.3164,
94.6531

■ 54.7770, 77.3968,
84.2768

■ 77.9010, 89.0297,
98.3676

■ 51.4057, 75.7264,
81.0625

■ 86.3818, 93.3253,
102.2151

■ 48.8601, 74.4801,
77.9640

■ 93.0368, 96.6779,
106.0575

■ 47.0533, 73.6129,
74.9767

■ 93.4770, 96.8540,
108.3757

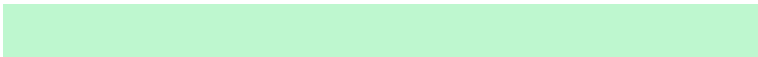
■ 45.8783, 73.0697,
72.0949

■ 45.4364, 72.8738,
70.6341

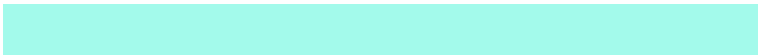
Harmonies

Analogous

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



65.7814, 82.1559, 71.1914



64.2853, 82.1559, 91.0667



66.2820, 82.1559, 113.8293

Triad

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



64.2853, 82.1559, 91.0667



86.1893, 82.1559, 130.0759



85.1578, 82.1559, 57.1173

Complementary

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



64.2853, 82.1559, 91.0667



60.5603, 49.7351, 48.5308

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.



91.2158, 82.1559, 68.8331



64.2853, 82.1559, 91.0667



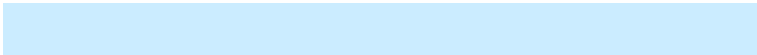
91.8382, 82.1559, 110.5994

Square

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



64.2853, 82.1559, 91.0667



78.6479, 82.1559, 138.5232



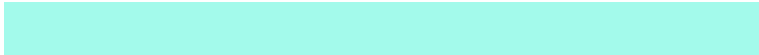
93.7343, 82.1559, 87.8601



77.5282, 82.1559, 53.6026

Rectangle

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



64.2853, 82.1559, 91.0667



69.4064, 82.1559, 127.0470



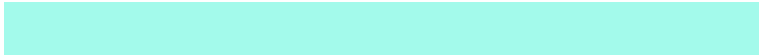
93.7343, 82.1559, 87.8601



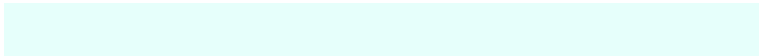
87.4622, 82.1559, 60.1210

Sweetspot

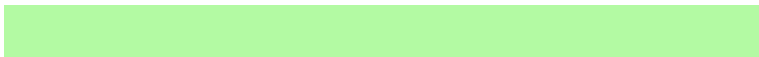
The Sweet Spot groups the original color and five complimentary colors.



64.2877, 82.1592, 91.0686



85.5829, 95.2004, 104.8036



59.3779, 80.5967, 47.0792



18.0545, 20.2432, 22.3115



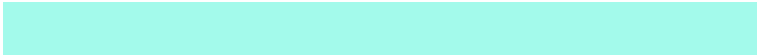
0.0000, 0.0000, 0.0000



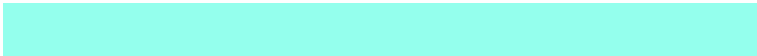
20.3446, 21.4041, 23.3091

Same Dimension

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



64.2877, 82.1592, 91.0686



63.1723, 83.8936, 92.6257



58.6031, 67.1735, 100.3233



17.6298, 19.5542, 21.5169



24.1474, 38.6720, 37.7152



2.2692, 3.5948, 3.6655

Inverse Universe

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



60.5603, 49.7351, 48.5308



58.7310, 45.1752, 41.8782



64.5708, 60.0366, 42.8370



17.3667, 17.2741, 18.5210



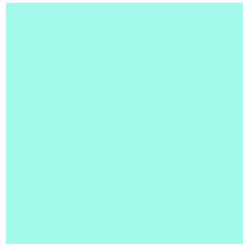
21.1800, 10.8877, 2.3905



1.9947, 1.0216, 0.3953

Previews

White Background



This preview shows how the XYZ color 64.2853, 82.1559, 91.0667 looks on a white background.

Color Contrast Check

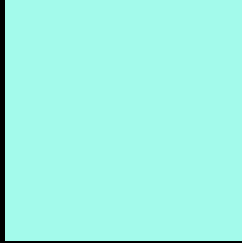
Large Text (above 18pt) WCAG AA × Fail

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 64.2853, 82.1559, 91.0667 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 64.2853, 82.1559, 91.0667

Background



This preview shows how black text looks on a background with the XYZ color 64.2853, 82.1559, 91.0667.



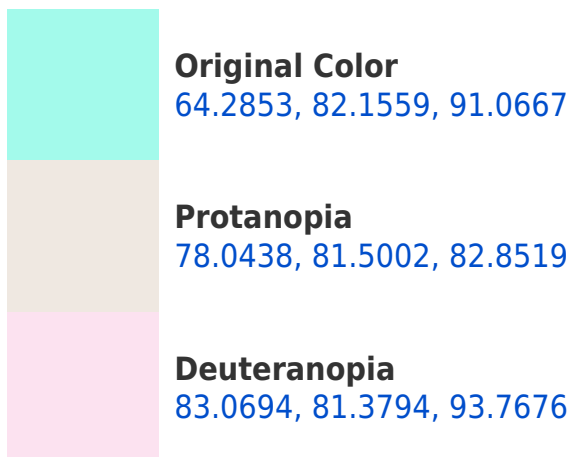
This preview shows how white text looks on a background with the XYZ color 64.2853, 82.1559,

91.0667.

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

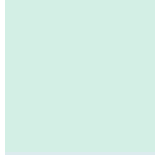
71.7534, 81.5999, 106.5763

Trichromacy



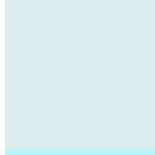
Original Color

64.2853, 82.1559, 91.0667



Protanomaly

71.8733, 81.2390, 86.0213



Deuteranomaly

74.6561, 80.8054, 92.5511



Tritanomaly

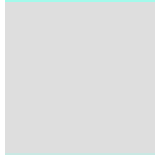
68.8224, 81.5460, 100.9196

Monochromacy



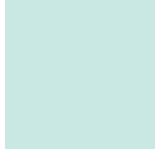
Original Color

64.2853, 82.1559, 91.0667



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.8091, 75.6768, 83.7589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2853, 82.1559, 91.0667 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(163, 250, 235)` looks like.

```
.text, #text, p{  
    color:rgb(163, 250, 235)  
}
```

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(163, 250, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 250, 235) }
```

Border

The CSS property to change the border of an element to XYZ 64.2853, 82.1559, 91.0667 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(163, 250, 235) }
```


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

```
.border{ border-color:rgb(163, 250, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 250, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 250, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 250, 235);  
box-shadow:4px 4px 4px 4px rgb(163, 250,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2853, 82.1559, 91.0667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 250, 235) }
```

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

```
.background{ background-color: rgb(163,  
250, 235) }
```

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