

Converting Colors

XYZ(66.3937, 82.5752,
100.4542)

Have a look what the booklet for
XYZ(66.3937, 82.5752, 100.4542)
contains.

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Color

**XYZ(66.3901, 82.5738,
100.4349)**

Conversions

Conversions Part 1

Format	Color
Hex	A6F9F7
RGB	166, 249, 247
RGB Percent	65%, 98%, 97%
CMY	0.3490, 0.0235, 0.0314
CMYK	0.33, 0.00, 0.01, 0.02
HSL	179°, 87%, 81%
HSV	179°, 33%, 98%
XYZ	66.3901, 82.5738, 100.4349
YIQ	223.9550, -48.8260, -18.2180

Conversions

Conversions Part 2

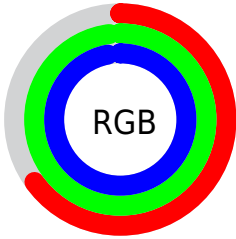
Format	Color
R _Y B	166, 208, 249
Decimal	10942967
CIE Lab	92.83, -25.45, -7.05
CIE LCh	93, 26.409, 195.492
Yxy	82.5738, 0.2662, 0.3311
Android (android.graphics.Color)	4289133047 (0xFFA6F9F7)
YUV	223.9550, 11.3612, -50.8265
Hunter-Lab	90.8701, -28.6099, -1.9216

Details

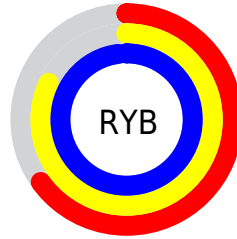
The XYZ color **66.3901, 82.5738, 100.4349** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.7739, 50.2417, 43.5962**, and the grayscale version is **70.7678, 74.4533, 81.0796**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **34.6840, 44.7759, 56.1048** is the 20% darker color. If you saturate the color by 10%, you get **61.5753, 80.1044, 99.7281**, and if you desaturate by 10%, it is **72.2205, 85.5708, 101.1944**.

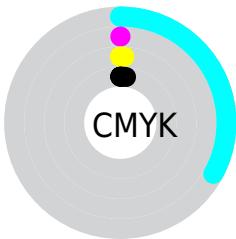
Distribution



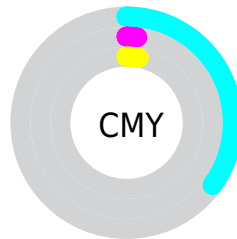
- Red (65%)
- Green (98%)
- Blue (97%)



- Red (65%)
- Yellow (82%)
- Blue (98%)



- Cyan (33%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)



- Cyan (35%)
- Magenta (2%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3901, 82.5738, 100.4349 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 66.3901, 82.5738, 100.4349 by changing the saturation by 10% instead.

66.3901, 82.5738,
100.4349

66.3901, 82.5738,
100.4349

437.2374,
503.5650, 582.8447

48.8580, 61.8386,
76.0449

113.1007,
136.9784, 163.8118

34.7209, 44.9023,
55.9624

143.0099,
171.4166, 203.6357

23.6135, 31.3805,
39.7690

177.7755,
211.1912, 249.4414

15.1703, 20.8888,
27.0461

217.7629,
256.6867, 301.6474

9.0261, 13.0427,
17.3751

263.3375,
308.2874, 360.6721

4.8155, 7.4580,
10.3375

314.8645,

2.1730, 3.7501,

366.3778, 426.9343

5.5148

372.7093,
431.3422, 500.8523

0.7285, 1.5348,
2.4884

0.0000, 0.3130,
0.8340

66.3901, 82.5738,
100.4349

66.3901, 82.5738,
100.4349

61.5753, 80.1044,
99.7281

72.2205, 85.5708,
101.1944

57.7104, 78.1227,
99.0654

79.1132, 89.1133,
102.0034

54.7332, 76.5985,
98.4459

87.1205, 93.2304,
102.8661

52.5712, 75.4945,
97.8661

92.2793, 95.8791,
103.5971

■ 51.1404, 74.7675,
97.3221

■ 92.3734, 95.9167,
104.0926

■ 50.3388, 74.3648,
96.8091

■ 92.4678, 95.9545,
104.5897

■ 50.0542, 74.2250,
96.4796

■ 92.5625, 95.9923,
105.0884

■ 92.6575, 96.0303,
105.5887

■ 92.7528, 96.0685,
106.0905

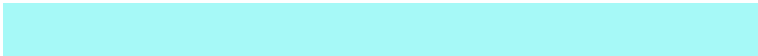
Harmonies

Analogous

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



66.3375, 82.5738, 80.7294



66.3901, 82.5738, 100.4349



69.5532, 82.5738, 119.7913

Triad

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



66.3901, 82.5738, 100.4349



88.3220, 82.5738, 119.2344



81.8519, 82.5738, 57.9360

Complementary

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



66.3901, 82.5738, 100.4349



59.7739, 50.2417, 43.5962

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.



88.1481, 82.5738, 65.4615



66.3901, 82.5738, 100.4349



92.0293, 82.5738, 99.7590

Square

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



66.3901, 82.5738, 100.4349



82.0781, 82.5738, 131.6802



91.9639, 82.5738, 80.1452



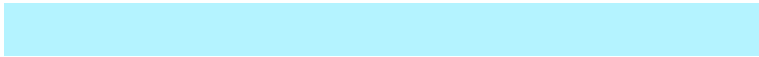
74.9963, 82.5738, 58.0619

Rectangle

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



66.3901, 82.5738, 100.4349



73.1124, 82.5738, 129.0651



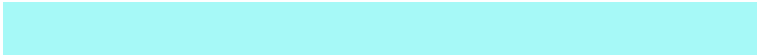
91.9639, 82.5738, 80.1452



84.1123, 82.5738, 59.6004

Sweetspot

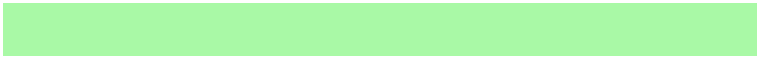
The Sweet Spot groups the original color and five complimentary colors.



66.3925, 82.5771, 100.4368



86.1840, 95.4408, 107.9688



57.0733, 78.9171, 48.3026



18.2010, 20.3018, 23.0827



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

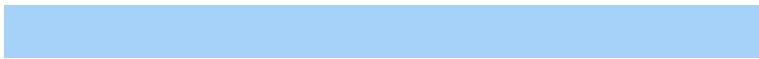
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.3925, 82.5771, 100.4368



66.5531, 85.3548, 105.5111



55.9398, 61.1743, 98.4858



17.7467, 19.6009, 22.1325



26.8002, 39.7331, 51.6847



2.4878, 3.6822, 4.8163

Inverse Universe

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



59.7739, 50.2417, 43.5962



58.5865, 46.4246, 37.0869



67.7204, 66.4310, 45.3314



17.2616, 17.2320, 17.9673



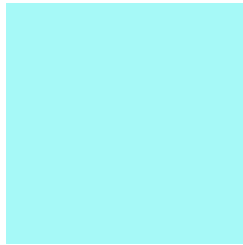
20.9369, 10.7905, 1.1100



1.9449, 1.0017, 0.1332

Previews

White Background



This preview shows how the XYZ color 66.3901, 82.5738, 100.4349 looks on a white background.

Color Contrast Check

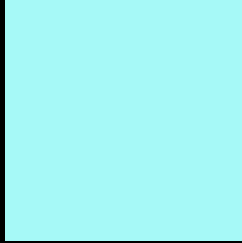
Large Text (above 18pt) WCAG AA × Fail

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 66.3901, 82.5738, 100.4349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

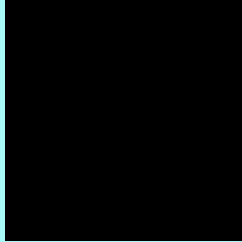
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.3901, 82.5738, 100.4349

Background



This preview shows how black text looks on a background with the XYZ color 66.3901, 82.5738, 100.4349.



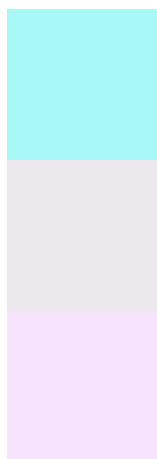
This preview shows how white text looks on a background with the XYZ color 66.3901, 82.5738,

100.4349.

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

66.3901, 82.5738, 100.4349

Protanopia

78.7347, 81.6605, 91.7331

Deuteranopia

83.7512, 81.9229, 103.4940



Tritanopia

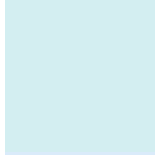
72.5671, 82.4600, 106.6994

Trichromacy



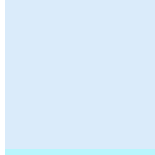
Original Color

66.3901, 82.5738, 100.4349



Protanomaly

73.3157, 81.3488, 95.0568



Deuteranomaly

75.8771, 81.2242, 102.1212



Tritanomaly

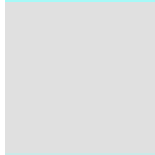
70.2307, 82.6474, 104.3465

Monochromacy



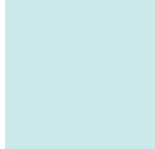
Original Color

66.3901, 82.5738, 100.4349



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.3330, 76.8005, 87.5664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3901, 82.5738, 100.4349 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(166, 249, 247)` looks like.

```
.text, #text, p{  
    color:rgb(166, 249, 247)  
}
```

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(166, 249, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 249, 247) }
```

Border

The CSS property to change the border of an element to XYZ 66.3901, 82.5738, 100.4349 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(166, 249, 247) }
```


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

```
.border{ border-color:rgb(166, 249, 247) }
```

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

Here you see how a box with a 4 pixel rgb(166, 249, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 249, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 249, 247);  
box-shadow:4px 4px 4px 4px rgb(166, 249,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3901, 82.5738, 100.4349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 249, 247) }
```

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

```
.background{ background-color: rgb(166,  
249, 247) }
```

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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