

Converting Colors

XYZ(71.9846, 100.0000,
95.1218)

Have a look what the booklet for
XYZ(71.9846, 100.0000, 95.1218)
contains.

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Color

**XYZ(64.2267, 84.4462,
92.2715)**

Conversions

Conversions Part 1

Format	Color
Hex	9AFFEC
RGB	154, 255, 236
RGB Percent	60%, 100%, 93%
CMY	0.3961, 0.0000, 0.0745
CMYK	0.40, 0.00, 0.07, 0.00
HSL	169°, 100%, 80%
HSV	169°, 40%, 100%
XYZ	64.2267, 84.4462, 92.2715
YIQ	222.6350, -54.0970, -27.3210

Conversions

Conversions Part 2

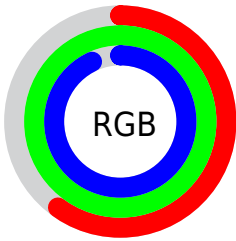
Format	Color
RYB	154, 210, 255
Decimal	10158060
CIELab	93.64, -33.84, -0.22
CIElCh	94, 33.842, 180.375
Yxy	84.4462, 0.2666, 0.3505
Android (android.graphics.Color)	4288348140 (0xFF9AFEC)
YUV	222.6350, 6.5889, -60.1929
Hunter-Lab	91.8946, -36.0589, 4.7931

Details

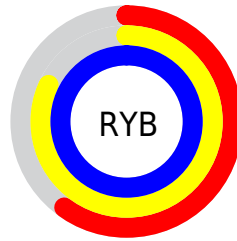
The XYZ color **64.2267, 84.4462, 92.2715** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.3391, 47.3894, 45.5027**, and the grayscale version is **69.8625, 73.5008, 80.0424**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **33.3621, 46.2248, 50.3439** is the 20% darker color. If you saturate the color by 10%, you get **59.1908, 81.9294, 88.4476**, and if you desaturate by 10%, it is **70.3140, 87.5026, 96.2452**.

Distribution



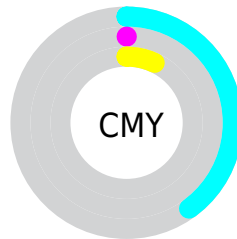
- Red (60%)
- Green (100%)
- Blue (93%)



- Red (60%)
- Yellow (82%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2267, 84.4462, 92.2715 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 64.2267, 84.4462, 92.2715 by changing the saturation by 10% instead.


 64.2267, 84.4462,
92.2715


 64.2267, 84.4462,
92.2715


429.5971,
509.7938, 556.1522

 47.0967, 63.3839,
69.2819


 110.0093,
139.5992, 152.4526

 33.3204, 46.1518,
50.4681


 139.3925,
174.4586, 190.4811

 22.5324, 32.3657,
35.4117


173.5909,
214.6859, 234.3597

 14.3674, 21.6409,
23.6941

212.9698,
260.6654, 284.5069

 8.4600, 13.5933,
14.8968

257.8945,
312.7816, 341.3412

 4.4450, 7.8384,
8.6011

308.7303,

 1.9568, 3.9917,

371.4188, 405.2811

4.3887

365.8428,
436.9614, 476.7453

■ 0.6095, 1.6689,
1.8409

■ 0.0000, 0.4034,
0.4547

■ 64.2267, 84.4462,
92.2715

■ 64.2267, 84.4462,
92.2715

■ 59.1908, 81.9294,
88.4476

■ 70.3140, 87.5026,
96.2452

■ 55.1375, 79.9172,
84.7652

■ 77.5102, 91.1286,
100.3678

■ 51.9941, 78.3719,
81.2216

■ 85.8717, 95.3531,
104.6441

■ 49.6767, 77.2503,
77.8121

95.0500, 100.0000,
108.9000

■ 48.0849, 76.5007,
74.5312

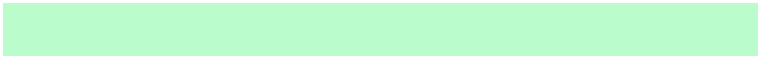
■ 47.0622, 76.0423,
71.3708

■ 47.0265, 76.0266,
71.2486

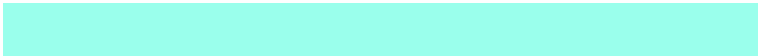
Harmonies

Analogous

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



66.1887, 84.4462, 69.6342



64.2267, 84.4462, 92.2715



66.2881, 84.4462, 119.2463

Triad

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



64.2267, 84.4462, 92.2715



89.3020, 84.4462, 141.4685



89.0920, 84.4462, 55.3551

Complementary

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



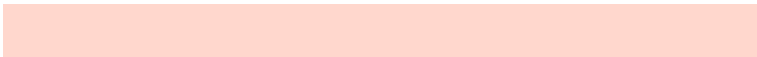
64.2267, 84.4462, 92.2715



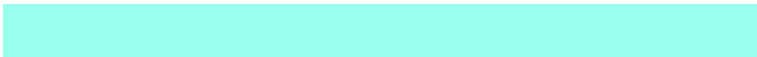
60.3391, 47.3894, 45.5027

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.



96.0770, 84.4462, 69.1696



64.2267, 84.4462, 92.2715



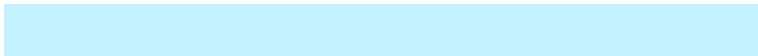
96.2045, 84.4462, 118.5811

Square

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



64.2267, 84.4462, 92.2715



80.3766, 84.4462, 150.6947



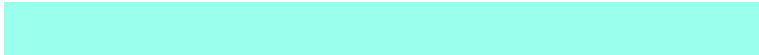
98.7697, 84.4462, 91.6244



80.1507, 84.4462, 50.8799

Rectangle

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



64.2267, 84.4462, 92.2715



69.7617, 84.4462, 135.4684



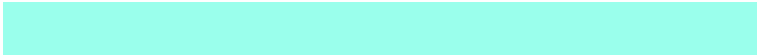
98.7697, 84.4462, 91.6244



91.7698, 84.4462, 58.9159

Sweetspot

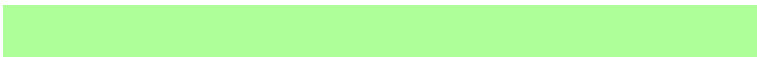
The Sweet Spot groups the original color and five complimentary colors.



64.2276, 84.4466, 92.2729



83.7616, 94.2861, 103.6065



59.0937, 82.8751, 43.4552



17.6882, 20.0597, 22.0556



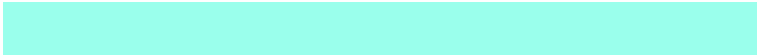
0.0000, 0.0000, 0.0000



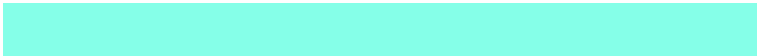
20.3446, 21.4041, 23.3091

Same Dimension

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



64.2276, 84.4466, 92.2729



59.9319, 82.2989, 89.0524



58.2215, 67.7792, 104.6218



18.3997, 20.4194, 22.4077



24.6249, 39.7465, 37.5054



2.4337, 3.8844, 3.8418

Inverse Universe

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



60.3391, 47.3894, 45.5027



55.5418, 40.3133, 36.1398



64.2763, 57.9999, 38.3806



18.1489, 18.0429, 19.4015



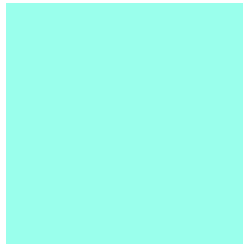
21.8669, 11.2360, 2.6834



2.1644, 1.1081, 0.4474

Previews

White Background



This preview shows how the XYZ color 64.2267, 84.4462, 92.2715 looks on a white background.

Color Contrast Check

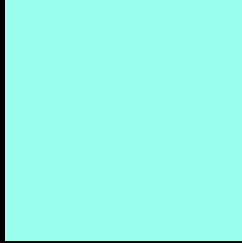
Large Text (above 18pt) WCAG AA × Fail

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 64.2267, 84.4462, 92.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

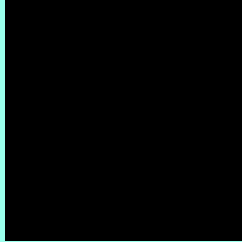
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

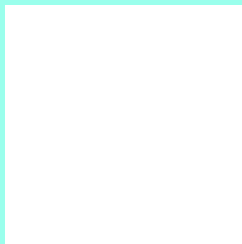
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2267, 84.4462, 92.2715

Background



This preview shows how black text looks on a background with the XYZ color 64.2267, 84.4462, 92.2715.



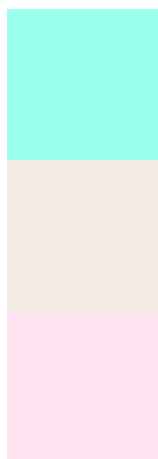
This preview shows how white text looks on a background with the XYZ color 64.2267, 84.4462,

92.2715.

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

64.2267, 84.4462, 92.2715

Protanopia

79.9169, 83.7301, 83.1836

Deuteranopia

85.0104, 83.1576, 95.5749



Tritanopia

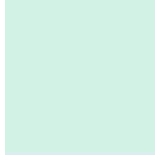
74.2201, 84.2007, 106.9483

Trichromacy



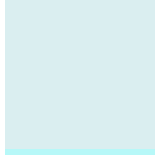
Original Color

64.2267, 84.4462, 92.2715



Protanomaly

72.4733, 82.8630, 86.3032



Deuteranomaly

75.2162, 82.3458, 94.3681



Tritanomaly

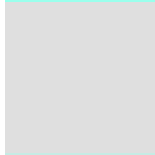
70.0391, 83.9794, 101.3251

Monochromacy



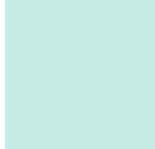
Original Color

64.2267, 84.4462, 92.2715



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.0006, 77.0239, 84.7346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2267, 84.4462, 92.2715 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(154, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 236)  
}
```

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(154, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 64.2267, 84.4462, 92.2715 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(154, 255, 236) }
```


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

```
.border{ border-color:rgb(154, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2267, 84.4462, 92.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 236) }
```

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

```
.background{ background-color: rgb(154,  
255, 236) }
```

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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