

Converting Colors

XYZ(65.1946, 84.8116, 98.3500)

Have a look what the booklet for
XYZ(65.1946, 84.8116, 98.3500)
contains.

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Color

**XYZ(65.2260, 84.8240,
98.5228)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFF4
RGB	153, 255, 244
RGB Percent	60%, 100%, 96%
CMY	0.4000, 0.0000, 0.0431
CMYK	0.40, 0.00, 0.04, 0.00
HSL	174°, 100%, 80%
HSV	174°, 40%, 100%
XYZ	65.2260, 84.8240, 98.5228
YIQ	223.2480, -57.2610, -25.0450

Conversions

Conversions Part 2

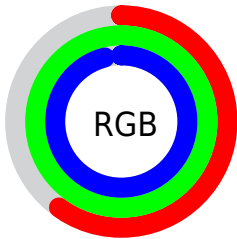
Format	Color
R _Y B	153, 207, 255
Decimal	10092532
CIE Lab	93.81, -32.28, -4.12
CIE LCh	94, 32.543, 187.276
Yxy	84.8240, 0.2624, 0.3412
Android (android.graphics.Color)	4288282612 (0xFF99FFF4)
YUV	223.2480, 10.2307, -61.6075
Hunter-Lab	92.0999, -34.7596, 1.0452

Details

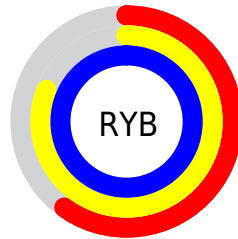
The XYZ color **65.2260, 84.8240, 98.5228** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.3329, 46.7241, 41.0144**, and the grayscale version is **70.2744, 73.9341, 80.5142**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **33.9905, 46.4519, 54.7516** is the 20% darker color. If you saturate the color by 10%, you get **60.5025, 82.4368, 96.1397**, and if you desaturate by 10%, it is **70.9861, 87.7448, 100.9898**.

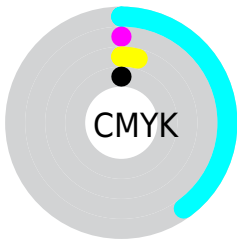
Distribution



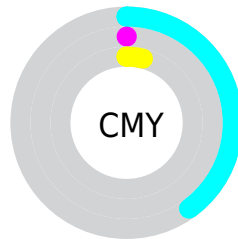
- Red (60%)
- Green (100%)
- Blue (96%)



- Red (60%)
- Yellow (81%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2260, 84.8240, 98.5228 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 65.2260, 84.8240, 98.5228 by changing the saturation by 10% instead.

65.2260, 84.8240,
98.5228

65.2260, 84.8240,
98.5228

433.1361,
511.0455, 576.6523

47.9097, 63.6960,
74.4574

111.4386,
140.1273, 161.1598

33.9664, 46.4045,
54.6695

141.0657,
175.0713, 200.5686

23.0305, 32.5651,
38.7403

175.5271,
215.3894, 245.9288

14.7369, 21.7935,
26.2515

215.1881,
261.4660, 297.6592

8.7200, 13.7052,
16.7844

260.4142,
313.6855, 356.1782

4.6147, 7.9159,
9.9206

311.5706,

2.0554, 4.0412,

372.4324, 421.9044

5.2414

369.0228,
438.0909, 495.2562

■ 0.6648, 1.6966,
2.3284

■ 0.0000, 0.4215,
0.7471

■ 65.2260, 84.8240,
98.5228

■ 65.2260, 84.8240,
98.5228

■ 60.5025, 82.4368,
96.1397

■ 70.9861, 87.7448,
100.9898

■ 56.7465, 80.5476,
93.8329

■ 77.8401, 91.2288,
103.5392

■ 53.8851, 79.1190,
91.6001

■ 85.8446, 95.3052,
106.1752

■ 51.8339, 78.1073,
89.4374

95.0500, 100.0000,
108.9000

■ 50.4920, 77.4606,
87.3398

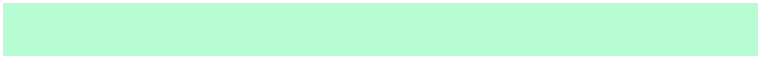
■ 49.6948, 77.0939,
85.2995

■ 49.6947, 77.0939,
85.2992

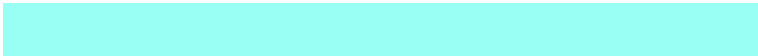
Harmonies

Analogous

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



66.2358, 84.8240, 75.1552



65.2260, 84.8240, 98.5228



68.1004, 84.8240, 124.3116

Triad

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



65.2260, 84.8240, 98.5228



91.1199, 84.8240, 135.6776



87.2190, 84.8240, 55.0257

Complementary

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



65.2260, 84.8240, 98.5228



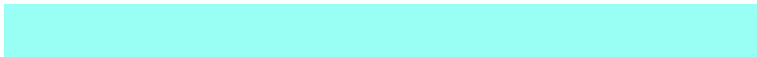
59.3329, 46.7241, 41.0144

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.



94.5930, 84.8240, 66.4122



65.2260, 84.8240, 98.5228



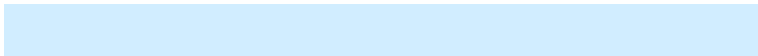
96.9552, 84.8240, 112.0060

Square

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



65.2260, 84.8240, 98.5228



82.7471, 84.8240, 148.1160



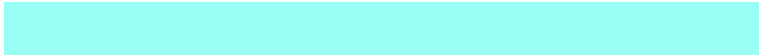
98.2695, 84.8240, 86.4576



78.5349, 84.8240, 52.7127

Rectangle

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



65.2260, 84.8240, 98.5228



71.9625, 84.8240, 138.5004



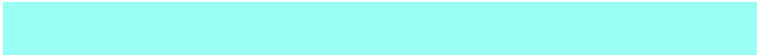
98.2695, 84.8240, 86.4576



89.9512, 84.8240, 57.8059

Sweetspot

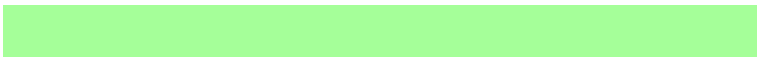
The Sweet Spot groups the original color and five complimentary colors.



65.2270, 84.8244, 98.5243



84.1478, 94.4406, 105.6405



57.0071, 81.8090, 42.9248



17.7796, 20.0962, 22.5371



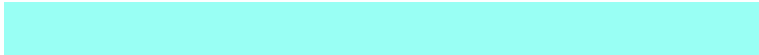
0.0000, 0.0000, 0.0000



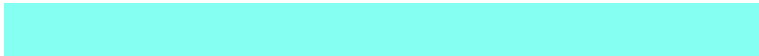
20.3446, 21.4041, 23.3091

Same Dimension

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



65.2270, 84.8244, 98.5243



61.3670, 82.8729, 96.6099



55.7182, 63.0540, 103.8417



18.4655, 20.4457, 22.7542



26.0006, 40.2968, 44.7499



2.5548, 3.9328, 4.4791

Inverse Universe

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



59.3329, 46.7241, 41.0144



54.7455, 39.9948, 31.9463



65.8622, 61.3043, 38.5003



18.0890, 18.0189, 19.0857



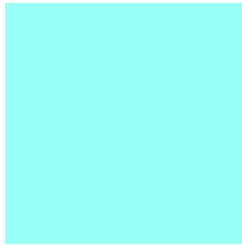
21.6807, 11.1616, 1.7030



2.1358, 1.0967, 0.2965

Previews

White Background



This preview shows how the XYZ color 65.2260, 84.8240, 98.5228 looks on a white background.

Color Contrast Check

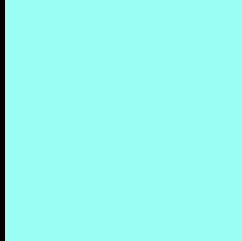
Large Text (above 18pt) WCAG AA × Fail

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 65.2260, 84.8240, 98.5228 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 65.2260, 84.8240, 98.5228

Background



This preview shows how black text looks on a background with the XYZ color 65.2260, 84.8240, 98.5228.

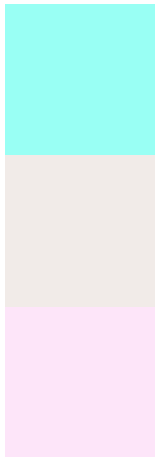


This preview shows how white text looks on a background with the XYZ color 65.2260, 84.8240,

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

65.2260, 84.8240, 98.5228

Protanopia

80.5494, 83.9436, 88.3013

Deuteranopia

85.6262, 83.7608, 101.2770



Tritanopia

74.4881, 84.3389, 106.9608

Trichromacy



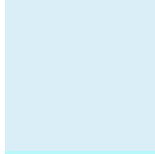
Original Color

65.2260, 84.8240, 98.5228



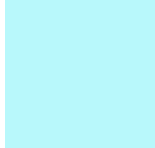
Protanomaly

73.1869, 83.1157, 91.5425



Deuteranomaly

75.9783, 82.6162, 99.9377



Tritanomaly

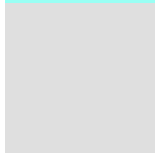
70.7472, 84.2902, 103.8076

Monochromacy



Original Color

65.2260, 84.8240, 98.5228



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.4208, 77.1919, 86.9474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2260, 84.8240, 98.5228 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(153, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 244)  
}
```

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(153, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 65.2260, 84.8240, 98.5228 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(153, 255, 244) }
```


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

```
.border{ border-color:rgb(153, 255, 244) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2260, 84.8240, 98.5228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 244) }
```

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

```
.background{ background-color: rgb(153,  
255, 244) }
```

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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