

Converting Colors

XYZ(58.9395, 69.6313,
100.2960)

Have a look what the booklet for
XYZ(58.9395, 69.6313, 100.2960)
contains.

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Color

**XYZ(58.9428, 69.5955,
99.9492)**

Conversions

Conversions Part 1

Format	Color
Hex	9EE4F9
RGB	158, 228, 249
RGB Percent	62%, 89%, 98%
CMY	0.3804, 0.1059, 0.0235
CMYK	0.37, 0.08, 0.00, 0.02
HSL	194°, 88%, 80%
HSV	194°, 37%, 98%
XYZ	58.9428, 69.5955, 99.9492
YIQ	209.4640, -48.4610, -8.3090

Conversions

Conversions Part 2

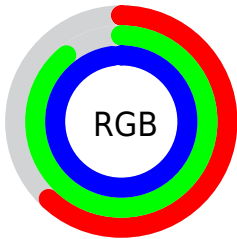
Format	Color
R _Y B	158, 198, 249
Decimal	10413305
CIE Lab	86.80, -16.71, -17.14
CIE LCh	87, 23.935, 225.717
Yxy	69.5955, 0.2580, 0.3046
Android (android.graphics.Color)	4288603385 (0xFF9EE4F9)
YUV	209.4640, 19.4912, -45.1339
Hunter-Lab	83.4239, -19.8735, -12.6379

Details

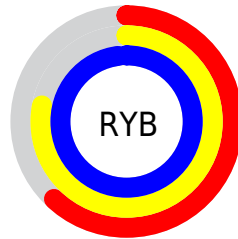
The XYZ color **58.9428, 69.5955, 99.9492** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.3596, 54.8493, 39.7024**, and the grayscale version is **60.8084, 63.9752, 69.6689**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **30.0487, 36.5622, 55.9255** is the 20% darker color. If you saturate the color by 10%, you get **52.9783, 64.2147, 99.2262**, and if you desaturate by 10%, it is **65.9563, 75.5984, 100.7394**.

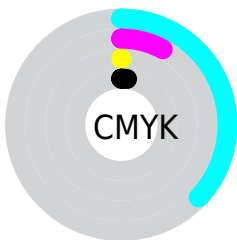
Distribution



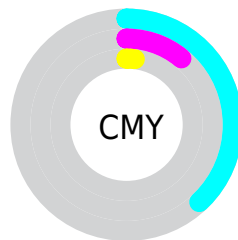
- Red (62%)
- Green (89%)
- Blue (98%)



- Red (62%)
- Yellow (78%)
- Blue (98%)



- Cyan (37%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (38%)
- Magenta (11%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9428, 69.5955, 99.9492 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 58.9428, 69.5955, 99.9492 by changing the saturation by 10% instead.

■ 58.9428, 69.5955,
99.9492

■ 58.9428, 69.5955,
99.9492

410.5874,
459.1285, 581.2751

■ 42.8133, 51.1968,
75.6415

■ 102.4096,
118.6317, 163.1386

■ 29.9325, 36.3653,
55.6337

■ 130.4776,
150.0381, 202.8574

■ 19.9352, 24.7164,
39.5073

163.2558,
186.5491, 248.5503

■ 12.4559, 15.8659,
26.8437

201.1096,
228.5493, 300.6358

■ 7.1294, 9.4293,
17.2245

244.4043,
276.4229, 359.5325

■ 3.5902, 5.0223,
10.2310

293.5052,

■ 1.4730, 2.2603,

330.5543, 425.6589

5.4448

348.7778,
391.3281, 499.4336

■ 0.3074, 0.7526,
2.4473

■ 0.0000, 0.0000,
0.8120

■ 58.9428, 69.5955,
99.9492

■ 58.9428, 69.5955,
99.9492

■ 52.9783, 64.2147,
99.2262

■ 65.9563, 75.5984,
100.7394

■ 47.9957, 59.4156,
98.5625

■ 74.0682, 82.2446,
101.5947

■ 43.9297, 55.1655,
97.9564

■ 83.3322, 89.5642,
102.5193

■ 40.7041, 51.4244,
97.4043

■ 92.8321, 97.0856,
103.4704

■ 38.2296, 48.1455,
96.9018

■ 94.0991, 99.6196,
103.8927

■ 36.3943, 45.2702,
96.4436

■ 35.8491, 44.3397,
96.2927

Harmonies

Analogous

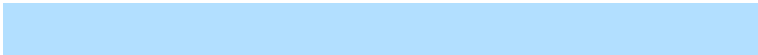
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.3570, 69.5955, 84.4020



58.9428, 69.5955, 99.9492



63.5390, 69.5955, 109.5921

Triad

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



58.9428, 69.5955, 99.9492



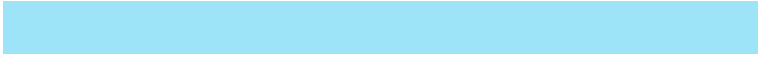
77.0899, 69.5955, 83.6066



63.2869, 69.5955, 49.9008

Complementary

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



58.9428, 69.5955, 99.9492



61.3596, 54.8493, 39.7024

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.



68.8284, 69.5955, 49.7503



58.9428, 69.5955, 99.9492



77.0130, 69.5955, 67.7618

Square

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



58.9428, 69.5955, 99.9492



74.1232, 69.5955, 99.2968



73.9186, 69.5955, 55.8558



58.7672, 69.5955, 56.3005

Rectangle

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



58.9428, 69.5955, 99.9492



67.2221, 69.5955, 110.6134



73.9186, 69.5955, 55.8558



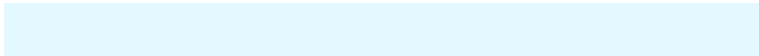
65.0863, 69.5955, 49.1513

Sweetspot

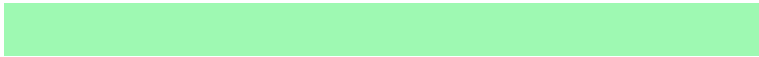
The Sweet Spot groups the original color and five complimentary colors.



58.9449, 69.5982, 99.9508



83.4426, 91.0025, 107.7751



55.9852, 78.2249, 54.1203



17.5766, 19.2541, 23.0400



0.0000, 0.0000, 0.0000



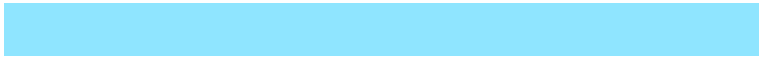
20.3446, 21.4041, 23.3091

Same Dimension

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



58.9449, 69.5982, 99.9508



57.3930, 69.1416, 104.9285



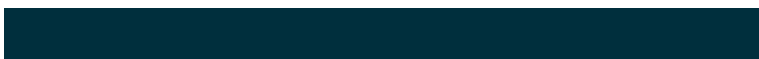
48.2965, 48.3014, 96.4013



17.4064, 18.8895, 22.1139



19.3024, 23.9604, 51.5810



1.8674, 2.3784, 4.8038

Inverse Universe

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



65.2991, 50.1966, 79.6491



65.1907, 46.5082, 79.7507



71.6855, 75.5011, 43.1443



17.8116, 17.4520, 20.8639



26.0350, 12.8297, 27.9564



2.4515, 1.2043, 2.8009

Previews

White Background



This preview shows how the XYZ color 58.9428, 69.5955, 99.9492 looks on a white background.

Color Contrast Check

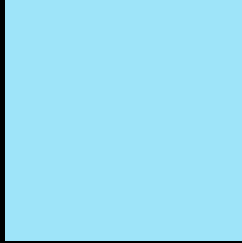
Large Text (above 18pt) WCAG AA × Fail

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 58.9428, 69.5955, 99.9492 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 58.9428, 69.5955, 99.9492

Background



This preview shows how black text looks on a background with the XYZ color 58.9428, 69.5955, 99.9492.

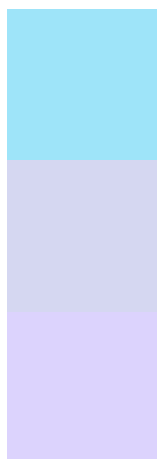


This preview shows how white text looks on a background with the XYZ color 58.9428, 69.5955,

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

58.9428, 69.5955, 99.9492

Protanopia

67.6182, 69.0979, 92.9925

Deuteranopia

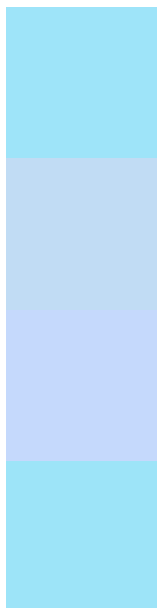
70.5391, 68.8960, 102.5090



Tritanopia

58.4365, 69.3703, 98.3056

Trichromacy



Original Color

58.9428, 69.5955, 99.9492

Protanomaly

63.9147, 69.0555, 95.5483

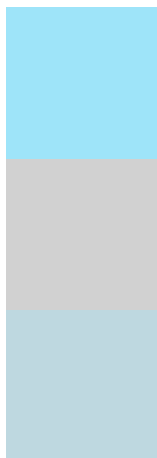
Deuteranomaly

65.4095, 68.5243, 101.8745

Tritanomaly

58.5913, 69.4322, 99.1206

Monochromacy



Original Color

58.9428, 69.5955, 99.9492

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.2456, 65.4407, 80.0298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9428, 69.5955, 99.9492 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(158, 228, 249)` looks like.

```
.text, #text, p{  
    color:rgb(158, 228, 249)  
}
```

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(158, 228, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 228, 249) }
```

Border

The CSS property to change the border of an element to XYZ 58.9428, 69.5955, 99.9492 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(158, 228, 249) }
```


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

```
.border{ border-color:rgb(158, 228, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 228, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 228, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 228, 249);  
box-shadow:4px 4px 4px 4px rgb(158, 228,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9428, 69.5955, 99.9492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 228, 249) }
```

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

```
.background{ background-color: rgb(158,  
228, 249) }
```

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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