

Converting Colors

XYZ(55.5490, 68.6674, 99.9489)

Have a look what the booklet for
XYZ(55.5490, 68.6674, 99.9489)
contains.

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Color

**XYZ(55.5490, 68.6674,
99.9489)**

Conversions

Conversions Part 1

Format	Color
Hex	88E6F9
RGB	136, 230, 249
RGB Percent	53%, 90%, 98%
CMY	0.4666, 0.0980, 0.0235
CMYK	0.45, 0.08, 0.00, 0.02
HSL	190°, 90%, 75%
HSV	190°, 45%, 98%
XYZ	55.5490, 68.6674, 99.9489
YIQ	204.0600, -62.1230, -14.0190

Conversions

Conversions Part 2

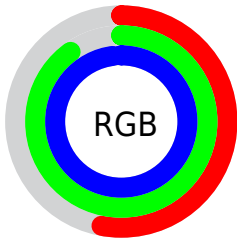
Format	Color
RYB	136, 187, 249
Decimal	8972025
CIELab	86.34, -23.08, -17.93
CIELCh	86, 29.223, 217.838
Yxy	68.6674, 0.2478, 0.3063
Android (android.graphics.Color)	4287162105 (0xFF88E6F9)
YUV	204.0600, 22.1554, -59.6886
Hunter-Lab	82.8658, -25.3579, -13.5068

Details

The XYZ color **55.5490, 68.6674, 99.9489** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.2335, 45.3612, 29.1388**, and the grayscale version is **57.3268, 60.3122, 65.6800**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **27.7422, 35.6589, 55.8728** is the 20% darker color. If you saturate the color by 10%, you get **50.8146, 64.5194, 99.3990**, and if you desaturate by 10%, it is **61.2549, 73.3608, 100.5553**.

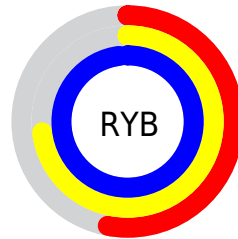
Distribution



Red (53%)

Green (90%)

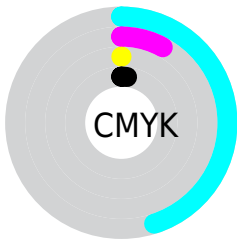
Blue (98%)



Red (53%)

Yellow (73%)

Blue (98%)

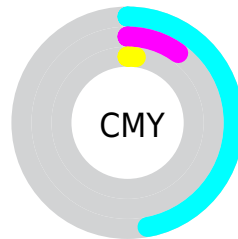


Cyan (45%)

Magenta (8%)

Yellow (0%)

Black (2%)



Cyan (47%)

Magenta (10%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5490, 68.6674, 99.9489 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 55.5490, 68.6674, 99.9489 by changing the saturation by 10% instead.

55.5490, 68.6674,
99.9489

55.5490, 68.6674,
99.9489

398.0923,
455.8570, 581.2741

40.0770, 50.4409,
75.6412

97.4885, 117.3064,
163.1382

27.7831, 35.7638,
55.6335

124.6867,
148.4877, 202.8569

18.3018, 24.2519,
39.5071

156.5244,
184.7560, 248.5498

11.2679, 15.5206,
26.8436

193.3669,
226.4957, 300.6352

6.3159, 9.1855,
17.2244

235.5796,
274.0913, 359.5318

3.0806, 4.8624,
10.2310

283.5278,

1.1965, 2.1668,

327.9271, 425.6581

5.4448

337.5769,
388.3876, 499.4327

■ 0.1036, 0.7018,
2.4472

■ 0.0000, 0.0000,
0.8120

■ 55.5490, 68.6674,
99.9489

■ 55.5490, 68.6674,
99.9489

■ 50.8146, 64.5194,
99.3990

■ 61.2549, 73.3608,
100.5553

■ 46.9791, 60.8746,
98.8976

■ 67.9858, 78.6229,
101.2162

■ 43.9700, 57.6967,
98.4428

■ 75.7986, 84.4849,
101.9359

■ 41.7002, 54.9406,
98.0305

■ 84.7444, 90.9733,
102.7168

■ 40.0620, 52.5506,
97.6555

■ 92.8162, 97.0538,
103.4650

■ 39.4454, 51.5321,
97.4914

■ 94.0991, 99.6196,
103.8927

Harmonies

Analogous

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



53.2412, 68.6674, 79.9487



55.5490, 68.6674, 99.9489



60.4946, 68.6674, 114.7179

Triad

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



55.5490, 68.6674, 99.9489



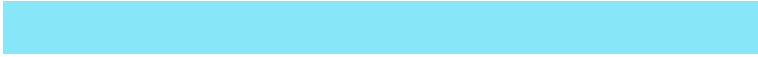
78.0313, 68.6674, 89.6740



63.5132, 68.6674, 43.6736

Complementary

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



55.5490, 68.6674, 99.9489



55.2335, 45.3612, 29.1388

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.



70.2826, 68.6674, 45.3703



55.5490, 68.6674, 99.9489



78.9780, 68.6674, 69.8144

Square

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



55.5490, 68.6674, 99.9489



73.5510, 68.6674, 108.1095



76.0555, 68.6674, 54.2157



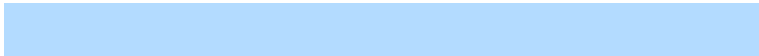
57.6283, 68.6674, 49.0993

Rectangle

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



55.5490, 68.6674, 99.9489



64.7783, 68.6674, 118.3718



76.0555, 68.6674, 54.2157



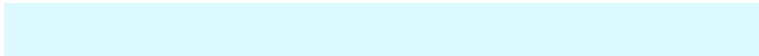
65.7568, 68.6674, 43.4499

Sweetspot

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



55.5511, 68.6700, 99.9505



81.2288, 90.0767, 107.7131



49.9330, 75.3480, 42.8508



16.9761, 18.9780, 23.0183



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.



55.5511, 68.6700, 99.9505



54.2406, 68.6510, 104.9999



42.3257, 42.2192, 95.5420



17.5029, 19.0826, 22.1461



21.2055, 27.7665, 52.2154



2.0276, 2.6989, 4.8573

Inverse Universe

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



62.1557, 43.4631, 79.9790



62.1804, 39.8702, 80.6500



66.8895, 68.6733, 33.0242



17.8604, 17.4715, 21.1205



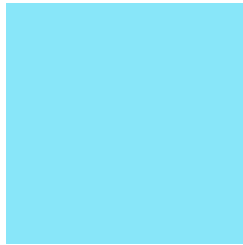
26.9956, 13.2139, 33.0147



2.5324, 1.2367, 3.2269

Previews

White Background



This preview shows how the XYZ color 55.5490, 68.6674, 99.9489 looks on a white background.

Color Contrast Check

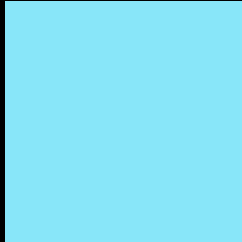
Large Text (above 18pt) WCAG AA × Fail

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 55.5490, 68.6674, 99.9489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

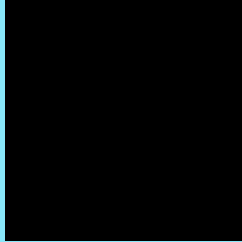
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.5490, 68.6674, 99.9489

Background



This preview shows how black text looks on a background with the XYZ color 55.5490, 68.6674, 99.9489.



This preview shows how white text looks on a background with the XYZ color 55.5490, 68.6674,

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

55.5490, 68.6674, 99.9489

Protanopia

66.3782, 67.7586, 90.4691

Deuteranopia

69.3915, 67.9367, 102.3843



Tritanopia

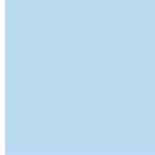
55.5490, 68.6674, 99.9489

Trichromacy



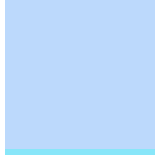
Original Color

55.5490, 68.6674, 99.9489



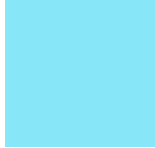
Protanomaly

61.1257, 67.2642, 93.7660



Deuteranomaly

63.1226, 67.3453, 101.7675



Tritanomaly

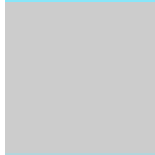
55.5490, 68.6674, 99.9489

Monochromacy



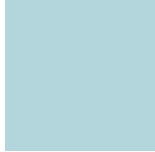
Original Color

55.5490, 68.6674, 99.9489



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

55.3029, 62.3395, 76.8281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5490, 68.6674, 99.9489 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(136, 230, 249)` looks like.

```
.text, #text, p{  
    color:rgb(136, 230, 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(136, 230, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 230, 249) }
```

Border

The CSS property to change the border of an element to XYZ 55.5490, 68.6674, 99.9489 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(136, 230, 249) }
```


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

```
.border{ border-color:rgb(136, 230, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 230, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 230, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 230, 249);  
box-shadow:4px 4px 4px 4px rgb(136, 230,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5490, 68.6674, 99.9489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 230, 249) }
```

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

```
.background{ background-color: rgb(136,  
230, 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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