

Converting Colors

XYZ(55.4027, 76.1455,
100.0562)

Have a look what the booklet for
XYZ(55.4027, 76.1455, 100.0562)
contains.

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Color

**XYZ(55.1949, 75.8896,
99.7348)**

Conversions

Conversions Part 1

Format	Color
Hex	63F7F7
RGB	99, 247, 247
RGB Percent	39%, 97%, 97%
CMY	0.6117, 0.0314, 0.0314
CMYK	0.60, 0.00, 0.00, 0.03
HSL	180°, 90%, 68%
HSV	180°, 60%, 97%
XYZ	55.1949, 75.8896, 99.7348
YIQ	202.7480, -88.2080, -31.3760

Conversions

Conversions Part 2

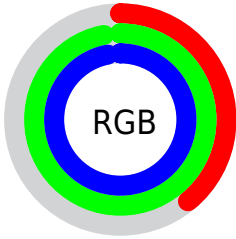
Format	Color
R _Y B	99, 173, 247
Decimal	6551543
CIE Lab	89.81, -38.92, -11.81
CIE LCh	90, 40.672, 196.875
Yxy	75.8896, 0.2391, 0.3288
Android (android.graphics.Color)	4284741623 (0xFF63F7F7)
YUV	202.7480, 21.8162, -90.9870
Hunter-Lab	87.1146, -39.3549, -6.8990

Details

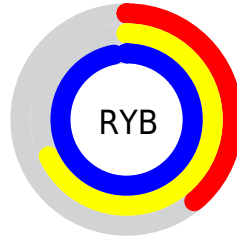
The XYZ color **55.1949, 75.8896, 99.7348** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **45.0744, 29.6011, 15.1448**, and the grayscale version is **56.5163, 59.4596, 64.7515**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **27.8174, 40.5885, 55.6584** is the 20% darker color. If you saturate the color by 10%, you get **52.8984, 74.7075, 99.6287**, and if you desaturate by 10%, it is **58.3209, 77.5028, 99.8831**.

Distribution



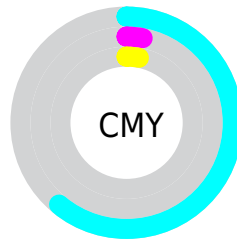
- Red (39%)
- Green (97%)
- Blue (97%)



- Red (39%)
- Yellow (68%)
- Blue (97%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (61%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1949, 75.8896, 99.7348 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 55.1949, 75.8896, 99.7348 by changing the saturation by 10% instead.

55.1949, 75.8896,
99.7348

55.1949, 75.8896,
99.7348

396.7747,
480.9697, 580.5815

39.7922, 56.3420,
75.4634

96.9731, 127.5708,
162.8414

27.5601, 40.4772,
55.4886

124.0794,
160.4733, 202.5137

18.1331, 27.9108,
39.3918

155.8176,
198.5961, 248.1567

11.1458, 18.2584,
26.7545

192.5530,
242.3236, 300.1890

6.2330, 11.1357,
17.1581

234.6511,
292.0404, 359.0290

3.0293, 6.1582,
10.1841

282.4772,

1.1693, 2.9415,

348.1307, 425.0955

5.4140

336.3966,
410.9790, 498.8068

■ 0.0819, 1.1013,
2.4292

■ 0.0000, 0.0000,
0.8023

■ 55.1949, 75.8896,
99.7348

■ 55.1949, 75.8896,
99.7348

■ 52.8984, 74.7075,
99.6287

■ 58.3209, 77.5028,
99.8831

■ 51.3467, 73.9075,
99.5558


■ 62.3377, 79.5735,
100.0713


■ 50.4492, 73.4448,
99.5135


■ 67.3086, 82.1361,
100.3043


■ 50.0531, 73.2406,
99.4947


■ 73.2895, 85.2194,
100.5844

 50.0505, 73.2393,
99.4946

 80.3316, 88.8497,
100.9143

 88.4831, 93.0519,
101.2961

 91.2911, 94.4995,
101.4278

 91.2911, 94.4996,
101.4280

 91.2912, 94.4996,
101.4283

Harmonies

Analogous

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



54.9219, 75.8896, 70.7053



55.1949, 75.8896, 99.7348



59.7267, 75.8896, 129.8888

Triad

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



55.1949, 75.8896, 99.7348



87.1523, 75.8896, 126.4625



76.6023, 75.8896, 39.6476

Complementary

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



55.1949, 75.8896, 99.7348



45.0744, 29.6011, 15.1448

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.



86.1434, 75.8896, 48.5008



55.1949, 75.8896, 99.7348



92.6041, 75.8896, 95.8273

Square

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



55.1949, 75.8896, 99.7348



77.8789, 75.8896, 147.6054



92.2187, 75.8896, 67.6035



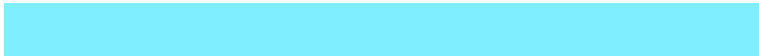
66.6727, 75.8896, 40.2239

Rectangle

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



55.1949, 75.8896, 99.7348



64.8140, 75.8896, 144.5917



92.2187, 75.8896, 67.6035



79.9785, 75.8896, 41.5129

Sweetspot

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



55.1972, 75.8925, 99.7366



80.1327, 92.3099, 108.2013



40.9346, 70.2191, 23.2026



16.7124, 19.5317, 23.1390



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.



55.1972, 75.8925, 99.7366



56.4375, 80.0946, 107.0908



37.3577, 40.2130, 93.7917



16.9968, 18.7578, 21.2673



26.4691, 38.7325, 52.6176



2.3264, 3.4042, 4.6246

Inverse Universe

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



45.0744, 29.6011, 15.1448



44.6691, 26.2776, 8.7470



55.0877, 49.6280, 18.4821



16.4992, 16.4825, 17.1095



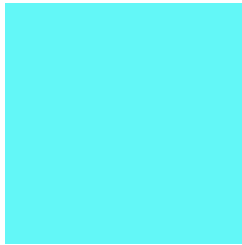
20.2862, 10.4579, 0.9495



1.7830, 0.9191, 0.0835

Previews

White Background



This preview shows how the XYZ color 55.1949, 75.8896, 99.7348 looks on a white background.

Color Contrast Check

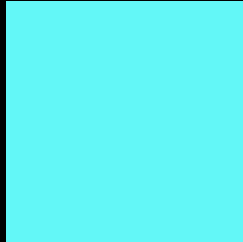
Large Text (above 18pt) WCAG AA × Fail

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 55.1949, 75.8896, 99.7348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

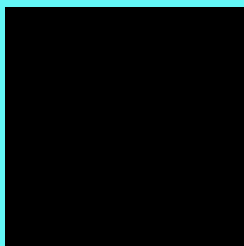
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

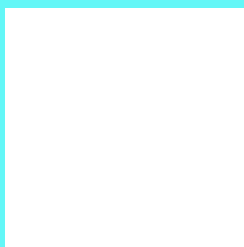
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.1949, 75.8896, 99.7348

Background



This preview shows how black text looks on a background with the XYZ color 55.1949, 75.8896, 99.7348.

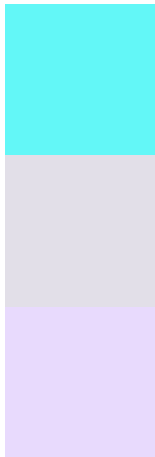


This preview shows how white text looks on a background with the XYZ color 55.1949, 75.8896,

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

55.1949, 75.8896, 99.7348

Protanopia

72.3172, 74.7703, 86.9645

Deuteranopia

76.0797, 74.3905, 103.2775



Tritanopia

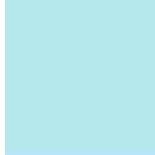
61.2427, 75.7432, 105.9998

Trichromacy



Original Color

55.1949, 75.8896, 99.7348



Protanomaly

62.9651, 73.5309, 90.9950



Deuteranomaly

65.1991, 73.1940, 101.9583



Tritanomaly

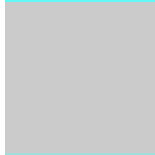
58.8272, 75.8753, 103.6403

Monochromacy



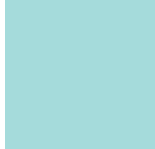
Original Color

55.1949, 75.8896, 99.7348



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.6348, 63.7768, 76.5011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1949, 75.8896, 99.7348 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(99, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(99, 247, 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(99, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 247, 247) }
```

Border

The CSS property to change the border of an element to XYZ 55.1949, 75.8896, 99.7348 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(99, 247, 247) }
```


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

```
.border{ border-color:rgb(99, 247, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 247, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(99, 247,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1949, 75.8896, 99.7348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 247, 247) }
```

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

```
.background{ background-color: rgb(99, 247,  
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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