

Converting Colors

XYZ(55.8884, 79.9203,
102.1509)

Have a look what the booklet for
XYZ(55.8884, 79.9203, 102.1509)
contains.

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Color

**XYZ(55.9195, 79.9373,
102.1047)**

Conversions

Conversions Part 1

Format	Color
Hex	4DFFF9
RGB	77, 255, 249
RGB Percent	30%, 100%, 98%
CMY	0.6980, 0.0000, 0.0235
CMYK	0.70, 0.00, 0.02, 0.00
HSL	178°, 100%, 65%
HSV	178°, 70%, 100%
XYZ	55.9195, 79.9373, 102.1047
YIQ	201.0940, -104.1620, -39.6020

Conversions

Conversions Part 2

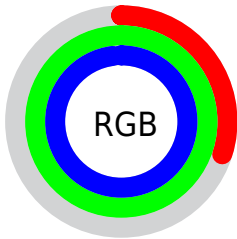
Format	Color
RYB	77, 168, 255
Decimal	5111801
CIELab	91.66, -45.07, -10.15
CIELCh	92, 46.200, 192.686
Yxy	79.9373, 0.2350, 0.3359
Android (android.graphics.Color)	4283301881 (0xFF4DFFF9)
YUV	201.0940, 23.6177, -108.8304
Hunter-Lab	89.4077, -44.8216, -5.1246

Details

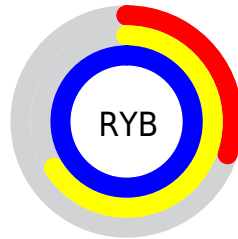
The XYZ color **55.9195, 79.9373, 102.1047** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.4564, 27.1941, 11.0389**, and the grayscale version is **55.4818, 58.3712, 63.5662**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **29.8197, 44.2384, 57.4193** is the 20% darker color. If you saturate the color by 10%, you get **54.1166, 79.0233, 101.3236**, and if you desaturate by 10%, it is **58.5312, 81.2682, 102.9298**.

Distribution



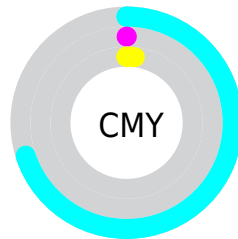
- Red (30%)
- Green (100%)
- Blue (98%)



- Red (30%)
- Yellow (66%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9195, 79.9373, 102.1047 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 55.9195, 79.9373, 102.1047 by changing the saturation by 10% instead.


 55.9195, 79.9373,
102.1047


 55.9195, 79.9373,
102.1047

399.4680,
494.7215, 588.2239


 40.3751, 59.6668,
77.4328


 98.0274, 133.2776,
166.1236


 28.0167, 43.1501,
57.0945


 125.3216,
167.1161, 206.3076

 18.4787, 30.0029,
40.6712

 157.2631,
206.2461, 252.4994

 11.3960, 19.8408,
27.7445

 194.2173,
251.0519, 305.1175

 6.4031, 12.2794,
17.8958

236.5495,
301.9180, 364.5804

 3.1347, 6.9342,
10.7065

284.6252,

 1.2254, 3.4210,

359.2286, 431.3068

5.7582

338.8095,
423.3684, 505.7151

■ 0.1263, 1.3553,
2.6322

■ 0.0000, 0.1834,
0.9090

■ 55.9195, 79.9373,
102.1047

■ 55.9195, 79.9373,
102.1047

■ 54.1166, 79.0233,
101.3236

■ 58.5312, 81.2682,
102.9298

■ 53.0185, 78.4727,
100.5772

■ 62.0324, 83.0575,
103.7982

■ 52.4661, 78.2032,
99.8596

■ 66.4979, 85.3439,
104.7150

■ 52.4570, 78.1988,
99.8453

■ 71.9936, 88.1613,
105.6832

■ 78.5797, 91.5407,
106.7056

■ 86.3117, 95.5109,
107.7849

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



56.3071, 79.9373, 69.0931



55.9195, 79.9373, 102.1047



60.4876, 79.9373, 138.9547

Triad

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



55.9195, 79.9373, 102.1047



92.4253, 79.9373, 144.0866



82.9339, 79.9373, 38.5673

Complementary

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



55.9195, 79.9373, 102.1047



45.4564, 27.1941, 11.0389

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.



93.9101, 79.9373, 49.9927



55.9195, 79.9373, 102.1047



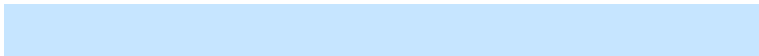
99.7674, 79.9373, 107.8488

Square

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



55.9195, 79.9373, 102.1047



81.0712, 79.9373, 167.0860



100.3373, 79.9373, 73.5318



71.1027, 79.9373, 37.7831

Rectangle

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



55.9195, 79.9373, 102.1047



66.0332, 79.9373, 158.4951



100.3373, 79.9373, 73.5318



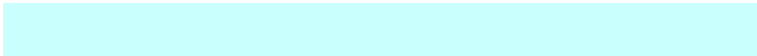
86.8743, 79.9373, 41.1218

Sweetspot

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



55.9207, 79.9379, 102.1062



77.7293, 91.1043, 106.5799



40.9296, 74.0302, 19.1555



16.2321, 19.2921, 22.7513



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.



55.9207, 79.9379, 102.1062



53.5759, 78.7511, 101.0060



36.4231, 39.4214, 100.2971



18.5269, 20.4703, 23.0774



27.4217, 40.8653, 52.2335



2.6779, 3.9821, 5.1278

Inverse Universe

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



45.4564, 27.1941, 11.0389



42.5599, 23.0456, 5.0034



54.6550, 45.9460, 13.0112



18.0342, 17.9970, 18.7972



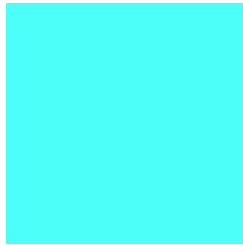
21.5841, 11.1229, 1.1944



2.1099, 1.0863, 0.1602

Previews

White Background



This preview shows how the XYZ color 55.9195, 79.9373, 102.1047 looks on a white background.

Color Contrast Check

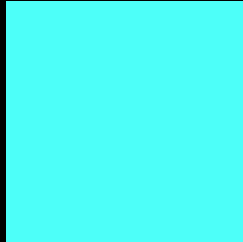
Large Text (above 18pt) WCAG AA × Fail

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 55.9195, 79.9373, 102.1047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

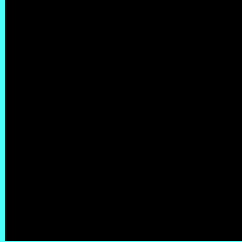
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.9195, 79.9373, 102.1047

Background



This preview shows how black text looks on a background with the XYZ color 55.9195, 79.9373, 102.1047.



This preview shows how white text looks on a background with the XYZ color 55.9195, 79.9373,

Color Blindness Simulation

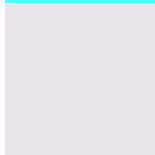
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



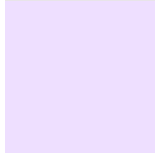
Original Color

55.9195, 79.9373, 102.1047



Protanopia

75.7301, 78.5258, 88.2564



Deuteranopia

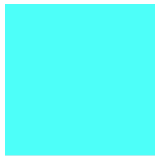
79.6976, 78.1725, 105.4960



Tritanopia

65.5280, 78.8313, 106.3700

Trichromacy



Original Color

55.9195, 79.9373, 102.1047



Protanomaly

64.0590, 76.6112, 93.0725



Deuteranomaly

66.0284, 76.0922, 104.1357



Tritanomaly

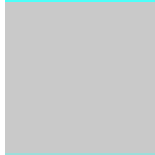
60.8219, 78.6817, 104.9099

Monochromacy



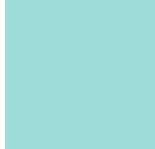
Original Color

55.9195, 79.9373, 102.1047



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.2216, 63.8428, 75.9002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9195, 79.9373, 102.1047 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(77, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 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(77, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 55.9195, 79.9373, 102.1047 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(77, 255, 249) }
```


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

```
.border{ border-color:rgb(77, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9195, 79.9373, 102.1047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 249) }
```

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

```
.background{ background-color: rgb(77, 255,  
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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