

Converting Colors

XYZ(54.9947, 79.6926, 91.5814)

Have a look what the booklet for
XYZ(54.9947, 79.6926, 91.5814)
contains.

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Color

**XYZ(55.0201, 79.7000,
91.8407)**

Conversions

Conversions Part 1

Format	Color
Hex	59FFEC
RGB	89, 255, 236
RGB Percent	35%, 100%, 93%
CMY	0.6510, 0.0000, 0.0745
CMYK	0.65, 0.00, 0.07, 0.00
HSL	173°, 100%, 67%
HSV	173°, 65%, 100%
XYZ	55.0201, 79.7000, 91.8407
YIQ	203.2000, -92.8370, -41.1010

Conversions

Conversions Part 2

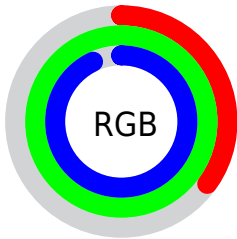
Format	Color
RYB	89, 177, 255
Decimal	5898220
CIELab	91.55, -46.87, -3.54
CIElCh	92, 47.004, 184.315
Yxy	79.7000, 0.2428, 0.3518
Android (android.graphics.Color)	4284088300 (0xFF59FFEC)
YUV	203.2000, 16.1704, -100.1534
Hunter-Lab	89.2749, -46.2214, 1.4983

Details

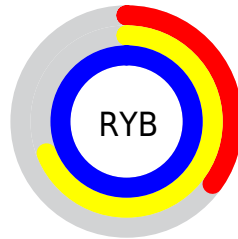
The XYZ color **55.0201, 79.7000, 91.8407** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **47.5200, 29.4888, 17.3761**, and the grayscale version is **56.8346, 59.7944, 65.1161**.

A 20% lighter version of the original color is **67.5203, 85.8079, 107.6116**, and **28.2045, 43.2278, 50.0373** is the 20% darker color. If you saturate the color by 10%, you get **52.5623, 78.4815, 89.5314**, and if you desaturate by 10%, it is **58.3338, 81.3588, 94.2290**.

Distribution



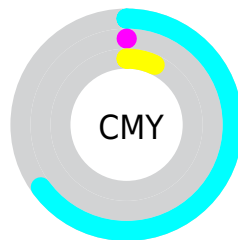
- Red (35%)
- Green (100%)
- Blue (93%)



- Red (35%)
- Yellow (69%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.0201, 79.7000, 91.8407 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 55.0201, 79.7000, 91.8407 by changing the saturation by 10% instead.


 55.0201, 79.7000,
91.8407


 55.0201, 79.7000,
91.8407


396.1233,
493.9212, 554.7244


 39.6517, 59.4715,
68.9260


 96.7186, 132.9439,
151.8504


 27.4501, 42.9928,
50.1801


 123.7793,
166.7280, 189.7824

 18.0499, 29.8795,
35.1843


 155.4683,
205.7996, 233.5574

 11.0857, 19.7471,
23.5202

 192.1508,
250.5428, 283.5938

 6.1922, 12.2114,
14.7692

234.1922,
301.3422, 340.3102

 3.0041, 6.8878,
8.5127

281.9578,

 1.1559, 3.3920,

358.5822, 404.1250

4.3323

335.8131,
422.6470, 475.4569

■ 0.0711, 1.3397,
1.8094

■ 0.0000, 0.1716,
0.4341

■ 55.0201, 79.7000,
91.8407

■ 55.0201, 79.7000,
91.8407

■ 52.5623, 78.4815,
89.5314

■ 58.3338, 81.3588,
94.2290

■ 50.8657, 77.6546,
87.2923

■ 62.5792, 83.4972,
96.6959

■ 49.8180, 77.1615,
85.1195

■ 67.8272, 86.1516,
99.2462

■ 49.4621, 77.0008,
84.0742

■ 74.1407, 89.3545,
101.8831

■ 81.5777, 93.1358,
104.6094

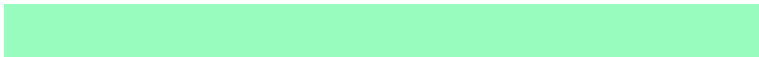
■ 90.1919, 97.5231,
107.4277

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.



56.8264, 79.7000, 61.2049



55.0201, 79.7000, 91.8407



58.2699, 79.7000, 129.5522

Triad

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



55.0201, 79.7000, 91.8407



89.4993, 79.7000, 153.4938



86.1848, 79.7000, 39.8593

Complementary

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



55.0201, 79.7000, 91.8407



47.5200, 29.4888, 17.3761

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.



96.4227, 79.7000, 54.6400



55.0201, 79.7000, 91.8407



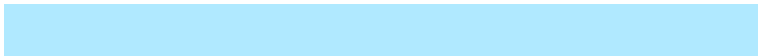
98.4735, 79.7000, 118.6393

Square

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



55.0201, 79.7000, 91.8407



77.4996, 79.7000, 170.6195



101.1311, 79.7000, 81.9082



74.0318, 79.7000, 36.2066

Rectangle

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



55.0201, 79.7000, 91.8407



63.0905, 79.7000, 152.1746



101.1311, 79.7000, 81.9082



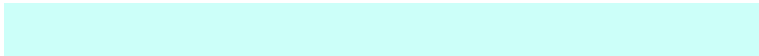
90.0044, 79.7000, 43.4570

Sweetspot

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



55.0211, 79.7004, 91.8421



77.7862, 91.2071, 103.2608



43.7933, 75.4530, 21.7085



16.2112, 19.2993, 21.9388



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.



55.0211, 79.7004, 91.8421



51.9955, 78.2032, 88.8738



40.8820, 46.7671, 101.4800



18.4600, 20.4435, 22.7255



25.8808, 40.2489, 44.1189



2.5443, 3.9286, 4.4240

Inverse Universe

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



47.5200, 29.4888, 17.3761



44.0654, 24.6606, 9.8087



54.3755, 44.6454, 15.2043



18.0939, 18.0209, 19.1116



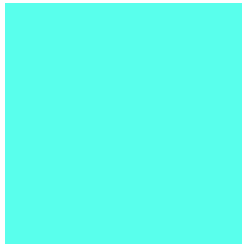
21.6925, 11.1663, 1.7654



2.1381, 1.0976, 0.3087

Previews

White Background



This preview shows how the XYZ color 55.0201, 79.7000, 91.8407 looks on a white background.

Color Contrast Check

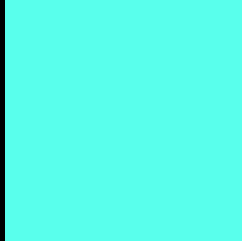
Large Text (above 18pt) WCAG AA × Fail

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 55.0201, 79.7000, 91.8407 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 55.0201, 79.7000, 91.8407

Background



This preview shows how black text looks on a background with the XYZ color 55.0201, 79.7000, 91.8407.

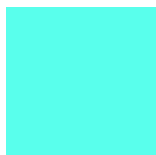


This preview shows how white text looks on a background with the XYZ color 55.0201, 79.7000,

Color Blindness Simulation

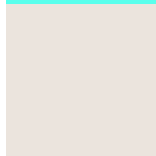
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



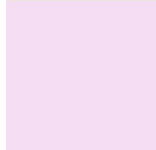
Original Color

55.0201, 79.7000, 91.8407



Protanopia

75.0555, 78.3694, 79.5776



Deuteranopia

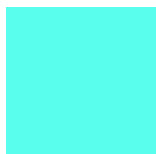
79.9551, 78.1261, 95.6598



Tritanopia

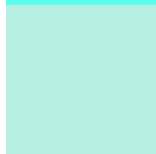
65.7385, 78.9398, 106.3799

Trichromacy



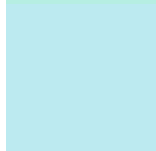
Original Color

55.0201, 79.7000, 91.8407



Protanomaly

63.5934, 76.5851, 83.3822



Deuteranomaly

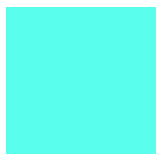
65.8900, 75.8283, 93.6016



Tritanomaly

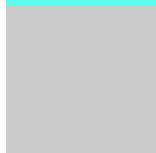
60.8515, 78.7878, 100.8073

Monochromacy



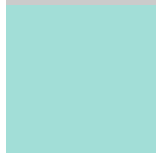
Original Color

55.0201, 79.7000, 91.8407



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.2873, 64.8302, 73.9949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0201, 79.7000, 91.8407 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(89, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(89, 255, 236)  
}
```

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(89, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 55.0201, 79.7000, 91.8407 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(89, 255, 236) }
```


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

```
.border{ border-color:rgb(89, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(89, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0201, 79.7000, 91.8407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 255, 236) }
```

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

```
.background{ background-color: rgb(89, 255,  
236) }
```

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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