

Converting Colors

XYZ(72.5701, 90.5897,
189.8703)

Have a look what the booklet for
XYZ(72.5701, 90.5897, 189.8703)
contains.

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Color

**XYZ(54.3167, 79.0012,
106.9937)**

Conversions

Conversions Part 1

Format	Color
Hex	1DFFFF
RGB	29, 255, 255
RGB Percent	11%, 100%, 100%
CMY	0.8861, 0.0000, 0.0000
CMYK	0.89, 0.00, 0.00, 0.00
HSL	180°, 100%, 56%
HSV	180°, 89%, 100%
XYZ	54.3167, 79.0012, 106.9937
YIQ	187.4260, -134.6960, -47.9120

Conversions

Conversions Part 2

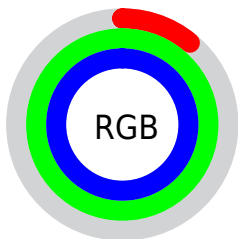
Format	Color
R _Y B	29, 142, 255
Decimal	1966079
CIE Lab	91.23, -47.30, -13.95
CIE LCh	91, 49.309, 196.432
Yxy	79.0012, 0.2260, 0.3287
Android (android.graphics.Color)	4280156159 (0xFF1DFFFF)
YUV	187.4260, 33.3140, -138.9396
Hunter-Lab	88.8826, -46.4622, -9.1533

Details

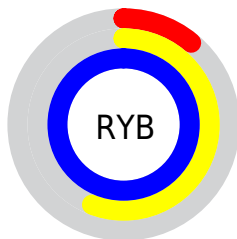
The XYZ color **54.3167, 79.0012, 106.9937** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.9024, 22.2293, 3.2468**, and the grayscale version is **47.3521, 49.8181, 54.2519**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **30.1593, 44.0097, 60.3312** is the 20% darker color. If you saturate the color by 10%, you get **53.8542, 78.7628, 106.9721**, and if you desaturate by 10%, it is **55.3602, 79.5391, 107.0425**.

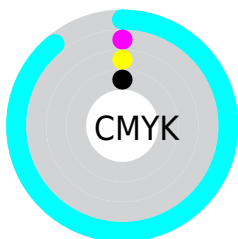
Distribution



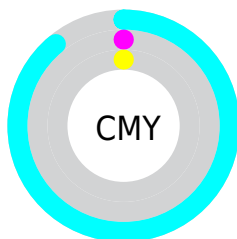
- Red (11%)
- Green (100%)
- Blue (100%)



- Red (11%)
- Yellow (56%)
- Blue (100%)



- Cyan (89%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (89%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.3167, 79.0012, 106.9937 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 54.3167, 79.0012, 106.9937 by changing the saturation by 10% instead.


 54.3167, 79.0012,
106.9937


 54.3167, 79.0012,
106.9937


393.4952,
491.5604, 603.8270

 39.0866, 58.8968,
81.5046


 95.6933, 131.9606,
172.8708


 27.0081, 42.5300,
60.4239


 122.5704,
165.5843, 214.0960

 17.7159, 29.5166,
43.3329


 154.0607,
204.4833, 261.4035

 10.8447, 19.4719,
29.8130

 190.5293,
249.0419, 315.2121

 6.0290, 12.0118,
19.4459

232.3417,
299.6445, 375.9402

 2.9036, 6.7517,
11.8128

279.8633,

 1.1030, 3.3073,

356.6755, 444.0064

6.4954

333.4593,
420.5194, 519.8291

■ 0.0276, 1.2942,
3.0750

■ 0.0000, 0.1367,
1.1330

■ 54.3167, 79.0012,
106.9937

■ 54.3167, 79.0012,
106.9937

■ 53.8542, 78.7628,
106.9721

■ 55.3602, 79.5391,
107.0425

■ 53.8100, 78.7400,
106.9700

■ 57.1212, 80.4470,
107.1250

■ 59.6986, 81.7757,
107.2456

■ 63.1754, 83.5680,
107.4083

67.6239, 85.8613,
107.6165

73.1095, 88.6892,
107.8732

79.6916, 92.0825,
108.1812

87.4254, 96.0694,
108.5432

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.



54.0665, 79.0012, 70.8625



54.3167, 79.0012, 106.9937



59.7136, 79.0012, 146.1427

Triad

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



54.3167, 79.0012, 106.9937



93.8809, 79.0012, 142.7059



80.8681, 79.0012, 34.9620

Complementary

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



54.3167, 79.0012, 106.9937



41.9024, 22.2293, 3.2468

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.



92.8984, 79.0012, 45.1676



54.3167, 79.0012, 106.9937



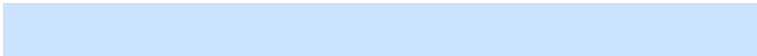
100.9551, 79.0012, 103.1956

Square

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



54.3167, 79.0012, 106.9937



82.0935, 79.0012, 170.3575



100.5768, 79.0012, 67.9817



68.4933, 79.0012, 35.4530

Rectangle

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



54.3167, 79.0012, 106.9937



65.8839, 79.0012, 165.7792



100.5768, 79.0012, 67.9817



85.1124, 79.0012, 37.1003

Sweetspot

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



54.3177, 79.0017, 106.9938



74.0962, 89.1979, 107.9194



36.4899, 71.8706, 13.1138



15.4201, 18.8654, 23.0786



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.



54.3177, 79.0017, 106.9938



53.8100, 78.7400, 106.9700



28.2332, 26.8328, 98.2989



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

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



59.7302, 29.3604, 97.1267



59.2900, 28.4800, 96.9800



51.1377, 40.7000, 6.3252



18.7928, 18.3004, 22.7918



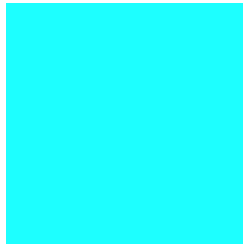
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 54.3167, 79.0012, 106.9937 looks on a white background.

Color Contrast Check

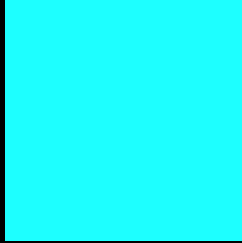
Large Text (above 18pt) WCAG AA × Fail

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 54.3167, 79.0012, 106.9937 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 54.3167, 79.0012, 106.9937

Background



This preview shows how black text looks on a background with the XYZ color 54.3167, 79.0012, 106.9937.

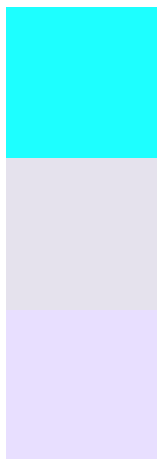


This preview shows how white text looks on a background with the XYZ color 54.3167, 79.0012,

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

54.3167, 79.0012, 106.9937

Protanopia

74.7955, 77.1652, 91.0730

Deuteranopia

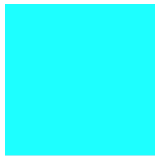
77.7164, 77.1512, 105.4033



Tritanopia

63.7068, 77.8924, 106.2848

Trichromacy



Original Color

54.3167, 79.0012, 106.9937



Protanomaly

60.3236, 74.1679, 96.7244



Deuteranomaly

61.8589, 73.9058, 105.6127



Tritanomaly

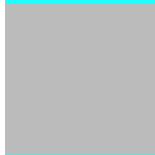
57.7412, 77.0565, 106.4379

Monochromacy



Original Color

54.3167, 79.0012, 106.9937



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.6331, 56.5863, 70.8572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.3167, 79.0012, 106.9937 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(29, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(29, 255, 255)  
}
```

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(29, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 54.3167, 79.0012, 106.9937 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(29, 255, 255) }
```


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

```
.border{ border-color:rgb(29, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(29, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 54.3167, 79.0012, 106.9937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 255, 255) }
```

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

```
.background{ background-color: rgb(29, 255,  
255) }
```

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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