

Converting Colors

XYZ(95.6531, 100.0000,
309.8211)

Have a look what the booklet for
XYZ(95.6531, 100.0000, 309.8211)
contains.

XYZ(54.5376, 79.1151, 107.0040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(54.5376, 79.1151,
107.0040)**

Conversions

Conversions Part 1

Format	Color
Hex	24FFFF
RGB	36, 255, 255
RGB Percent	14%, 100%, 100%
CMY	0.8587, 0.0000, 0.0000
CMYK	0.86, 0.00, 0.00, 0.00
HSL	180°, 100%, 57%
HSV	180°, 86%, 100%
XYZ	54.5376, 79.1151, 107.0040
YIQ	189.5190, -130.5240, -46.4280

Conversions

Conversions Part 2

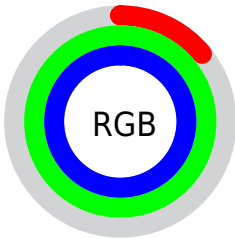
Format	Color
<code>RYB</code>	<code>36, 146, 255</code>
Decimal	<code>2424831</code>
CIELab	<code>91.29, -46.96, -13.87</code>
CIELCh	<code>91, 48.960, 196.452</code>
Yxy	<code>79.1151, 0.2266, 0.3287</code>
Android (<code>android.graphics.Color</code>)	<code>4280614911 (0xFF24FFFF)</code>
YUV	<code>189.5190, 32.2821, -134.6362</code>
Hunter-Lab	<code>88.9467, -46.2095, -9.0640</code>

Details

The XYZ color **54.5376, 79.1151, 107.0040** 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 **42.1906, 22.6510, 3.8198**, and the grayscale version is **48.5458, 51.0740, 55.6195**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **30.1593, 44.0097, 60.3312** is the 20% darker color. If you saturate the color by 10%, you get **53.9419, 78.8080, 106.9762**, and if you desaturate by 10%, it is **55.7672, 79.7490, 107.0616**.

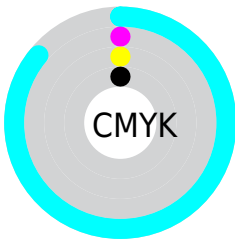
Distribution



- Red (14%)
- Green (100%)
- Blue (100%)



- Red (14%)
- Yellow (57%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (86%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.5376, 79.1151, 107.0040 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 54.5376, 79.1151, 107.0040 by changing the saturation by 10% instead.


 54.5376, 79.1151,
107.0040


 54.5376, 79.1151,
107.0040


394.3217,
491.9456, 603.8597


 39.2640, 58.9904,
81.5132


 96.0154, 132.1209,
172.8850


 27.1468, 42.6054,
60.4309


 122.9503,
165.7708, 214.1123

 17.8207, 29.5757,
43.3385


 154.5031,
204.6979, 261.4222

 10.9202, 19.5167,
29.8174

 191.0390,
249.2867, 315.2333

 6.0801, 12.0442,
19.4492

232.9235,
299.9214, 375.9640

 2.9350, 6.7738,
11.8152

280.5219,

 1.1195, 3.3211,

356.9866, 444.0330

6.4970

334.1995,
420.8665, 519.8587

■ 0.0413, 1.3016,
3.0759

■ 0.0000, 0.1424,
1.1335

■ 54.5376, 79.1151,
107.0040

■ 54.5376, 79.1151,
107.0040

■ 53.9419, 78.8080,
106.9762

■ 55.7672, 79.7490,
107.0616

■ 53.8100, 78.7400,
106.9700

■ 57.7432, 80.7676,
107.1541

■ 60.5596, 82.2195,
107.2859

■ 64.2960, 84.1457,
107.4607

69.0227, 86.5825,
107.6819

74.8034, 89.5625,
107.9525

81.6961, 93.1158,
108.2750

89.7549, 97.2703,
108.6522

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.



54.2850, 79.1151, 71.0924



54.5376, 79.1151, 107.0040



59.9126, 79.1151, 145.8400

Triad

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



54.5376, 79.1151, 107.0040



93.8700, 79.1151, 142.3850



80.9314, 79.1151, 35.2879

Complementary

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



54.5376, 79.1151, 107.0040



42.1906, 22.6510, 3.8198

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.



92.8810, 79.1151, 45.4681



54.5376, 79.1151, 107.0040



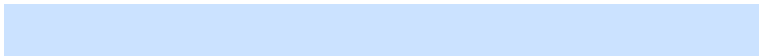
100.8878, 79.1151, 103.1804

Square

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



54.5376, 79.1151, 107.0040



82.1657, 79.1151, 169.8059



100.5072, 79.1151, 68.1862



68.6330, 79.1151, 35.7852

Rectangle

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



54.5376, 79.1151, 107.0040



66.0525, 79.1151, 165.2946



100.5072, 79.1151, 68.1862



85.1478, 79.1151, 37.4215

Sweetspot

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



54.5386, 79.1156, 107.0041



74.7219, 89.5205, 107.9487



36.8074, 72.0231, 13.6333



15.5397, 18.9271, 23.0842



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.



54.5386, 79.1156, 107.0041



53.8100, 78.7400, 106.9700



28.9827, 28.0039, 98.4855



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.



59.9217, 29.7435, 97.1906



59.2900, 28.4800, 96.9800



51.7630, 41.7959, 7.0106



18.7928, 18.3004, 22.7918



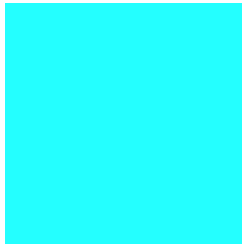
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 54.5376, 79.1151, 107.0040 looks on a white background.

Color Contrast Check

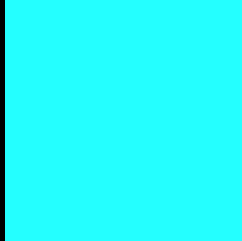
Large Text (above 18pt) WCAG AA × Fail

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 54.5376, 79.1151, 107.0040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

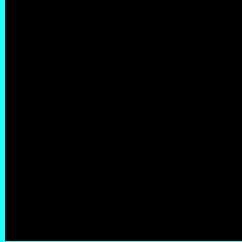
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.5376, 79.1151, 107.0040

Background



This preview shows how black text looks on a background with the XYZ color 54.5376, 79.1151, 107.0040.

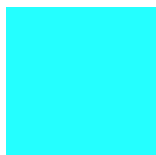


This preview shows how white text looks on a background with the XYZ color 54.5376, 79.1151,

Color Blindness Simulation

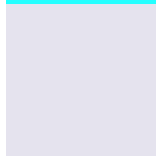
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



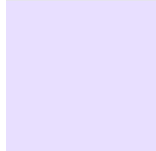
Original Color

54.5376, 79.1151, 107.0040



Protanopia

75.2148, 77.7692, 91.9356



Deuteranopia

77.7164, 77.1512, 105.4033



Tritanopia

63.9027, 77.9934, 106.2939

Trichromacy



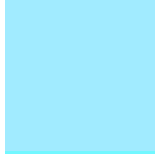
Original Color

54.5376, 79.1151, 107.0040



Protanomaly

60.9114, 74.4710, 96.7519



Deuteranomaly

62.4563, 74.2137, 105.6406



Tritanomaly

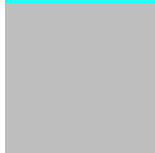
58.2502, 77.3189, 106.4617

Monochromacy



Original Color

54.5376, 79.1151, 107.0040



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.0157, 58.0165, 72.3914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.5376, 79.1151, 107.0040 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(36, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(36, 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(36, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 54.5376, 79.1151, 107.0040 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(36, 255, 255) }
```


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

```
.border{ border-color:rgb(36, 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(36, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(36, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 54.5376, 79.1151, 107.0040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 255, 255) }
```

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

```
.background{ background-color: rgb(36, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor