

Converting Colors

XYZ(51.4700, 77.9098, 89.8686)

Have a look what the booklet for
XYZ(51.4700, 77.9098, 89.8686)
contains.

XYZ(51.5257, 77.9319, 90.1686)	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(51.5257, 77.9319,
90.1686)**

Conversions

Conversions Part 1

Format	Color
Hex	29FFEA
RGB	41, 255, 234
RGB Percent	16%, 100%, 92%
CMY	0.8391, 0.0000, 0.0823
CMYK	0.84, 0.00, 0.08, 0.00
HSL	174°, 100%, 58%
HSV	174°, 84%, 100%
XYZ	51.5257, 77.9319, 90.1686
YIQ	188.6200, -120.8030, -51.8990

Conversions

Conversions Part 2

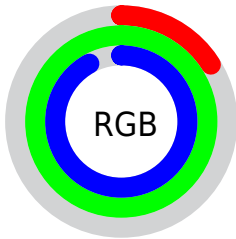
Format	Color
RYB	41, 154, 255
Decimal	2752490
CIELab	90.75, -52.43, -3.76
CIElCh	91, 52.568, 184.107
Yxy	77.9319, 0.2346, 0.3548
Android (android.graphics.Color)	4280942570 (0xFF29FFEA)
YUV	188.6200, 22.3723, -129.4627
Hunter-Lab	88.2790, -50.3035, 1.2363

Details

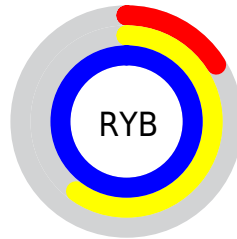
The XYZ color **51.5257, 77.9319, 90.1686** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.9036, 23.1952, 6.7757**, and the grayscale version is **48.0814, 50.5854, 55.0875**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **28.0021, 43.1469, 48.9718** is the 20% darker color. If you saturate the color by 10%, you get **50.4600, 77.4238, 88.2565**, and if you desaturate by 10%, it is **53.2556, 78.7818, 92.1411**.

Distribution



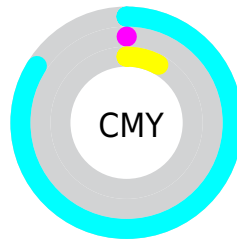
- Red (16%)
- Green (100%)
- Blue (92%)



- Red (16%)
- Yellow (60%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5257, 77.9319, 90.1686 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 51.5257, 77.9319, 90.1686 by changing the saturation by 10% instead.


 51.5257, 77.9319,
90.1686


 51.5257, 77.9319,
90.1686


382.9569,
487.9355, 549.1634

 36.8499, 58.0180,
67.5460


 91.6097, 130.4541,
149.5101

 25.2644, 41.8232,
49.0641


 117.7487,
163.8313, 187.0661

 16.4040, 28.9628,
34.3044

 148.4394,
202.4650, 230.4370

 9.9031, 19.0527,
22.8483

 184.0473,
246.7396, 280.0413

 5.3965, 11.7084,
14.2773

224.9376,
297.0396, 336.2975

 2.5189, 6.5454,
8.1728

271.4757,

 0.9048, 3.1795,

353.7493, 399.6243

4.1164

324.0270,
417.2531, 470.4400

■ 0.0000, 1.2261,
1.6894

■ 0.0000, 0.0829,
0.3535

■ 51.5257, 77.9319,
90.1686

■ 51.5257, 77.9319,
90.1686

■ 50.4600, 77.4238,
88.2565

■ 53.2556, 78.7818,
92.1411

■ 50.0397, 77.2319,
87.1156

■ 55.7565, 80.0287,
94.1748

■ 59.1193, 81.7193,
96.2757

■ 63.4218, 83.8936,
98.4473

68.7326, 86.5873,
100.6930

75.1143, 89.8324,
103.0160

82.6242, 93.6584,
105.4188

91.3154, 98.0929,
107.9042

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.



53.5001, 77.9319, 56.8990



51.5257, 77.9319, 90.1686



54.9771, 77.9319, 132.5022

Triad

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



51.5257, 77.9319, 90.1686



89.2389, 77.9319, 160.4153



85.7209, 77.9319, 34.8131

Complementary

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



51.5257, 77.9319, 90.1686



42.9036, 23.1952, 6.7757

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.



97.1437, 77.9319, 50.2659



51.5257, 77.9319, 90.1686



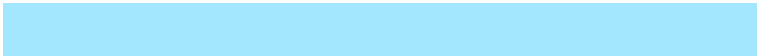
99.3383, 77.9319, 120.7307

Square

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



51.5257, 77.9319, 90.1686



75.9049, 77.9319, 179.9972



102.3892, 77.9319, 79.7536



72.2687, 77.9319, 31.0318

Rectangle

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



51.5257, 77.9319, 90.1686



60.1626, 77.9319, 158.4352



102.3892, 77.9319, 79.7536



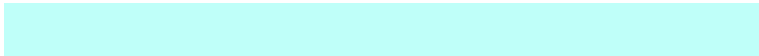
89.9752, 77.9319, 38.5310

Sweetspot

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



51.5268, 77.9324, 90.1701



74.3678, 89.4524, 102.7599



38.1734, 72.7179, 14.1236



15.4200, 18.8933, 21.8189



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.



51.5268, 77.9324, 90.1701



50.0397, 77.2319, 87.1156



33.2291, 36.2196, 99.8475



18.4735, 20.4489, 22.7963



26.1782, 40.3679, 45.6852



2.5702, 3.9390, 4.5607

Inverse Universe

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



42.9036, 23.1952, 6.7757



41.4157, 21.3303, 2.8553



49.1798, 36.4987, 6.5524



18.0818, 18.0160, 19.0478



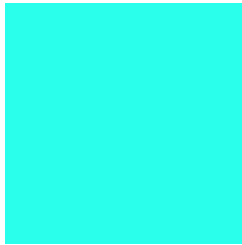
21.6644, 11.1550, 1.6170



2.1324, 1.0953, 0.2787

Previews

White Background



This preview shows how the XYZ color 51.5257, 77.9319, 90.1686 looks on a white background.

Color Contrast Check

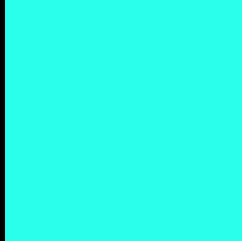
Large Text (above 18pt) WCAG AA × Fail

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 51.5257, 77.9319, 90.1686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

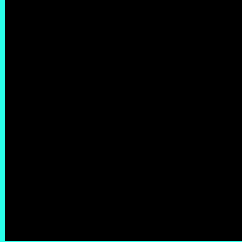
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5257, 77.9319, 90.1686

Background



This preview shows how black text looks on a background with the XYZ color 51.5257, 77.9319, 90.1686.

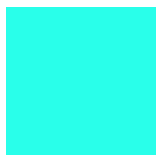


This preview shows how white text looks on a background with the XYZ color 51.5257, 77.9319,

Color Blindness Simulation

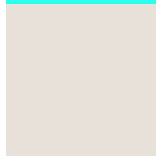
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



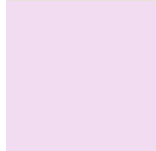
Original Color

51.5257, 77.9319, 90.1686



Protanopia

72.7283, 76.0160, 76.4850



Deuteranopia

77.8958, 76.2980, 94.6258



Tritanopia

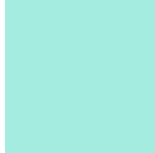
62.6422, 76.9029, 106.1499

Trichromacy



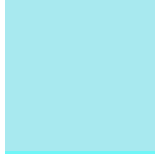
Original Color

51.5257, 77.9319, 90.1686



Protanomaly

58.4190, 73.1051, 80.8437



Deuteranomaly

60.8674, 72.8347, 92.5118



Tritanomaly

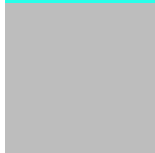
56.4264, 76.0717, 99.7050

Monochromacy



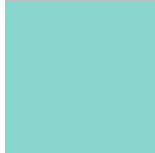
Original Color

51.5257, 77.9319, 90.1686



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.8054, 57.1472, 66.4266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5257, 77.9319, 90.1686 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(41, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 234)  
}
```

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(41, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 51.5257, 77.9319, 90.1686 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(41, 255, 234) }
```


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

```
.border{ border-color:rgb(41, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5257, 77.9319, 90.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 255, 234) }
```

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

```
.background{ background-color: rgb(41, 255,  
234) }
```

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