

Converting Colors

XYZ(50.3433, 77.5110, 81.5892)

Have a look what the booklet for
XYZ(50.3433, 77.5110, 81.5892)
contains.

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Color

**XYZ(50.3101, 77.4977,
81.4142)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFDE
RGB	51, 255, 222
RGB Percent	20%, 100%, 87%
CMY	0.7999, 0.0000, 0.1294
CMYK	0.80, 0.00, 0.13, 0.00
HSL	170°, 100%, 60%
HSV	170°, 80%, 100%
XYZ	50.3101, 77.4977, 81.4142
YIQ	190.2420, -110.9910, -53.5110

Conversions

Conversions Part 2

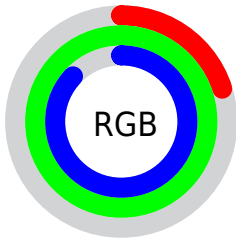
Format	Color
RYB	51, 162, 255
Decimal	3407838
CIELab	90.55, -54.81, 2.18
CIELCh	91, 54.851, 177.723
Yxy	77.4977, 0.2405, 0.3704
Android (android.graphics.Color)	4281597918 (0xFF33FFDE)
YUV	190.2420, 15.6567, -122.1152
Hunter-Lab	88.0328, -52.0459, 6.7906

Details

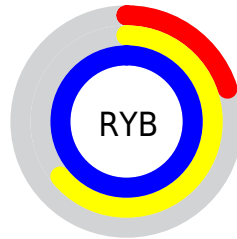
The XYZ color **50.3101, 77.4977, 81.4142** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.0252, 24.2693, 10.7543**, and the grayscale version is **49.0436, 51.5977, 56.1899**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **26.9413, 42.7225, 43.3855** is the 20% darker color. If you saturate the color by 10%, you get **48.8125, 76.7888, 78.4943**, and if you desaturate by 10%, it is **52.5265, 78.5756, 84.4411**.

Distribution



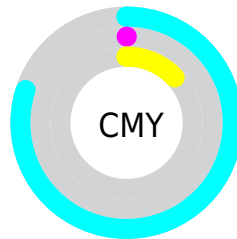
- Red (20%)
- Green (100%)
- Blue (87%)



- Red (20%)
- Yellow (64%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3101, 77.4977, 81.4142 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 50.3101, 77.4977, 81.4142 by changing the saturation by 10% instead.


 50.3101, 77.4977,
81.4142

 50.3101, 77.4977,
81.4142


378.3094,
486.4593, 519.5180


 35.8787, 57.6614,
60.3498


 89.8232, 129.8418,
137.1815


 24.5102, 41.5365,
43.2735


 115.6357,
163.1184, 172.7215

 15.8393, 28.7386,
29.7668


 145.9724,
201.6440, 213.9237

 9.5006, 18.8831,
19.4111

 181.1989,
245.8028, 261.2068

 5.1288, 11.5859,
11.7879

221.6805,
295.9794, 314.9892

 2.3586, 6.4624,
6.4786

267.7826,

 0.8244, 3.1282,

352.5581, 375.6895

3.0648

319.8704,
415.9232, 443.7263

0.0000, 1.1990,
1.1278

0.0000, 0.0609,
0.0000

50.3101, 77.4977,
81.4142

50.3101, 77.4977,
81.4142

48.8125, 76.7888,
78.4943

52.5265, 78.5756,
84.4411

47.8661, 76.3625,
75.6689

55.5596, 80.0730,
87.5760

47.8656, 76.3622,
75.6673

59.4949, 82.0339,
90.8247

64.4063, 84.4964,
94.1912

70.3599, 87.4946,
97.6790

77.4163, 91.0596,
101.2914

85.6310, 95.2202,
105.0316

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.



53.5229, 77.4977, 50.1124



50.3101, 77.4977, 81.4142



52.6798, 77.4977, 124.6534

Triad

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



50.3101, 77.4977, 81.4142



86.6314, 77.4977, 170.5317



88.6708, 77.4977, 35.2519

Complementary

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



50.3101, 77.4977, 81.4142



44.0252, 24.2693, 10.7543

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.



99.5785, 77.4977, 53.8780



50.3101, 77.4977, 81.4142



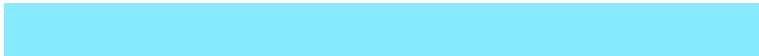
98.3019, 77.4977, 131.5227

Square

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



50.3101, 77.4977, 81.4142



72.6156, 77.4977, 184.6796



103.3025, 77.4977, 87.4207



74.7128, 77.4977, 29.1488

Rectangle

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



50.3101, 77.4977, 81.4142



57.2933, 77.4977, 153.5714



103.3025, 77.4977, 87.4207



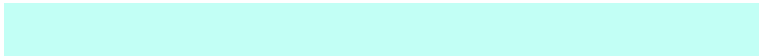
92.8781, 77.4977, 39.9021

Sweetspot

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



50.3111, 77.4982, 81.4156



74.4535, 89.5616, 99.8291



40.1053, 73.6910, 15.2437



15.4049, 18.9015, 21.0928



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.



50.3111, 77.4982, 81.4156



48.2048, 76.5127, 76.7872



37.1874, 43.4670, 101.0377



18.4212, 20.4280, 22.5210



25.0579, 39.9197, 39.7856



2.4720, 3.8997, 4.0436

Inverse Universe

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



44.0252, 24.2693, 10.7543



41.9221, 21.7100, 4.9760



48.4359, 34.6952, 7.2777



18.1292, 18.0350, 19.2975



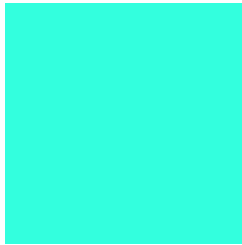
21.7953, 11.2074, 2.3065



2.1546, 1.1042, 0.3957

Previews

White Background



This preview shows how the XYZ color 50.3101, 77.4977, 81.4142 looks on a white background.

Color Contrast Check

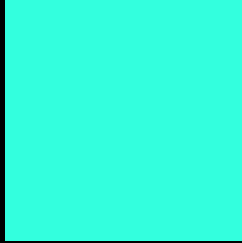
Large Text (above 18pt) WCAG AA × Fail

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 50.3101, 77.4977, 81.4142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

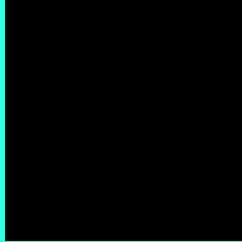
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

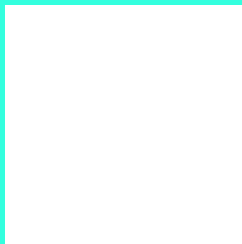
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.3101, 77.4977, 81.4142

Background



This preview shows how black text looks on a background with the XYZ color 50.3101, 77.4977, 81.4142.



This preview shows how white text looks on a background with the XYZ color 50.3101, 77.4977,

Color Blindness Simulation

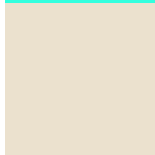
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



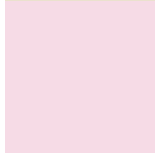
Original Color

50.3101, 77.4977, 81.4142



Protanopia

72.3267, 75.9688, 69.2439



Deuteranopia

77.6205, 75.9690, 85.4354



Tritanopia

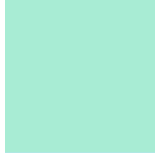
62.2678, 76.7099, 106.1324

Trichromacy



Original Color

50.3101, 77.4977, 81.4142



Protanomaly

58.0276, 73.0692, 73.3327



Deuteranomaly

60.4009, 72.3732, 83.4590



Tritanomaly

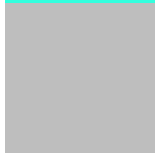
56.2037, 76.0274, 96.5065

Monochromacy



Original Color

50.3101, 77.4977, 81.4142



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.3547, 57.8464, 64.6521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3101, 77.4977, 81.4142 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(51, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 222)  
}
```

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(51, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 50.3101, 77.4977, 81.4142 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(51, 255, 222) }
```


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

```
.border{ border-color:rgb(51, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3101, 77.4977, 81.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 222) }
```

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

```
.background{ background-color: rgb(51, 255,  
222) }
```

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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