

Converting Colors

XYZ(51.7575, 66.8054, 78.1329)

Have a look what the booklet for
XYZ(51.7575, 66.8054, 78.1329)
contains.

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Color

**XYZ(51.7528, 66.7814,
77.8726)**

Conversions

Conversions Part 1

Format	Color
Hex	8CE5DC
RGB	140, 229, 220
RGB Percent	55%, 90%, 86%
CMY	0.4510, 0.1019, 0.1372
CMYK	0.39, 0.00, 0.04, 0.10
HSL	174°, 63%, 72%
HSV	174°, 39%, 90%
XYZ	51.7528, 66.7814, 77.8726
YIQ	201.3630, -50.1550, -21.6670

Conversions

Conversions Part 2

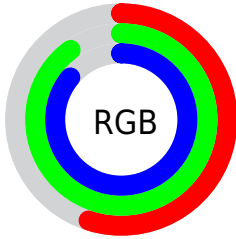
Format	Color
RYB	140, 187, 229
Decimal	9233884
CIELab	85.39, -28.75, -4.04
CIElCh	85, 29.033, 187.999
Yxy	66.7814, 0.2635, 0.3400
Android (android.graphics.Color)	4287423964 (0xFF8CE5DC)
YUV	201.3630, 9.1880, -53.8154
Hunter-Lab	81.7199, -29.9666, 0.7052

Details

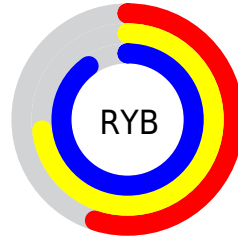
The XYZ color **51.7528, 66.7814, 77.8726** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.1183, 37.5860, 33.2077**, and the grayscale version is **55.7112, 58.6125, 63.8290**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **25.3913, 34.4886, 40.9160** is the 20% darker color. If you saturate the color by 10%, you get **47.9842, 64.8755, 76.1071**, and if you desaturate by 10%, it is **56.3325, 69.1083, 79.7011**.

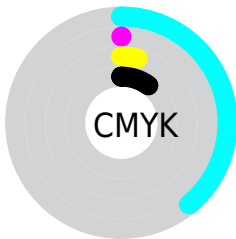
Distribution



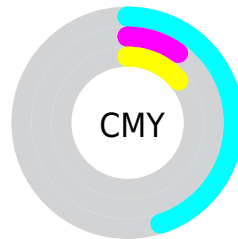
- Red (55%)
- Green (90%)
- Blue (86%)



- Red (55%)
- Yellow (73%)
- Blue (90%)



- Cyan (39%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)



- Cyan (45%)
- Magenta (10%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7528, 66.7814, 77.8726 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 51.7528, 66.7814, 77.8726 by changing the saturation by 10% instead.

51.7528, 66.7814,
77.8726

51.7528, 66.7814,
77.8726

383.8212,
449.1663, 507.2505

37.0315, 48.9070,
57.4535

91.9430, 114.6071,
132.1547

25.4057, 34.5457,
40.9577

118.1426,
145.3272, 166.8549

16.5099, 23.3131,
27.9666

148.8990,
181.0980, 207.1524

9.9788, 14.8249,
18.0616

184.5777,
222.3039, 253.4660

5.4471, 8.6966,
10.8243

225.5438,
269.3293, 306.2140

2.5493, 4.5438,
5.8362

272.1629,

0.9202, 1.9822,

322.5586, 365.8151

2.6785

324.8002,
382.3761, 432.6877

■ 0.0000, 0.5971,
0.9326

■ 0.0000, 0.0000,
0.0000

■ 51.7528, 66.7814,
77.8726

■ 51.7528, 66.7814,
77.8726

■ 47.9842, 64.8755,
76.1071

■ 56.3325, 69.1083,
79.7011

■ 44.9706, 63.3566,
74.3976

■ 61.7634, 71.8718,
81.5903

■ 42.6581, 62.1987,
72.7430

■ 68.0898, 75.0965,
83.5438

■ 40.9832, 61.3690,
71.1401

■ 75.3513, 78.8028,
85.5635

■ 39.8707, 60.8288,
69.5853

■ 83.5852, 83.0098,
87.6513

■ 39.2061, 60.5189,
68.0733

■ 84.0974, 83.2357,
89.4003

■ 39.1416, 60.4894,
67.9034

■ 84.4322, 83.3696,
91.1637

■ 84.7715, 83.5053,
92.9501

■ 85.1151, 83.6428,
94.7596

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.4525, 66.7814, 59.9685



51.7528, 66.7814, 77.8726



54.0180, 66.7814, 97.3761

Triad

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



51.7528, 66.7814, 77.8726



71.5846, 66.7814, 105.1618



68.3316, 66.7814, 44.0300

Complementary

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



51.7528, 66.7814, 77.8726



47.1183, 37.5860, 33.2077

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.



73.9731, 66.7814, 52.6122



51.7528, 66.7814, 77.8726



75.9398, 66.7814, 87.1475

Square

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



51.7528, 66.7814, 77.8726



65.2504, 66.7814, 114.8136



76.8428, 66.7814, 67.7876



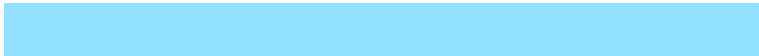
61.7296, 66.7814, 42.4142

Rectangle

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



51.7528, 66.7814, 77.8726



57.0033, 66.7814, 107.9673



76.8428, 66.7814, 67.7876



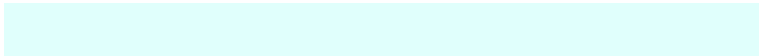
70.4161, 66.7814, 46.1142

Sweetspot

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



51.7547, 66.7841, 77.8741



84.1802, 94.4535, 105.8110



45.4033, 64.4553, 34.8604



17.7873, 20.0993, 22.5775



0.0000, 0.0000, 0.0000



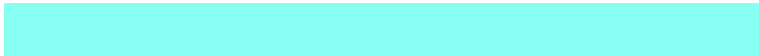
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.7547, 66.7841, 77.8741



61.9349, 83.1470, 97.4814



44.4491, 50.2128, 81.4811



14.7413, 16.3100, 18.1685



22.4042, 34.5938, 38.9584



1.6738, 2.5637, 2.9750

Inverse Universe

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



47.1183, 37.5860, 33.2077



55.2128, 40.7450, 32.6707



52.2076, 48.8709, 31.4937



14.4359, 14.3916, 15.2300



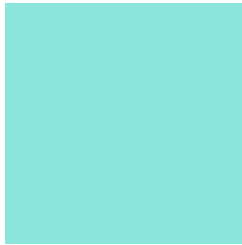
18.5847, 9.5681, 1.4419



1.3935, 0.7151, 0.2127

Previews

White Background



This preview shows how the XYZ color 51.7528, 66.7814, 77.8726 looks on a white background.

Color Contrast Check

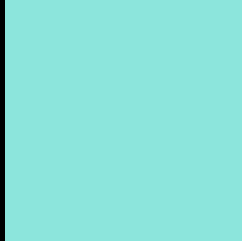
Large Text (above 18pt) WCAG AA × Fail

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 51.7528, 66.7814, 77.8726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

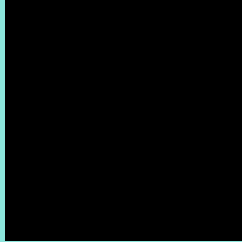
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7528, 66.7814, 77.8726

Background



This preview shows how black text looks on a background with the XYZ color 51.7528, 66.7814, 77.8726.



This preview shows how white text looks on a background with the XYZ color 51.7528, 66.7814,

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

51.7528, 66.7814, 77.8726

Protanopia

63.5424, 65.9934, 70.3617

Deuteranopia

67.3405, 65.9097, 80.4068



Tritanopia

55.1084, 66.4931, 95.5179

Trichromacy



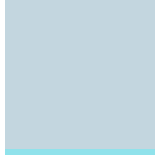
Original Color

51.7528, 66.7814, 77.8726



Protanomaly

58.1953, 65.8167, 73.2550



Deuteranomaly

59.8715, 65.0229, 79.2072



Tritanomaly

53.6934, 66.3202, 88.5684

Monochromacy



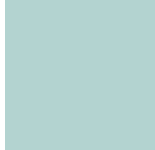
Original Color

51.7528, 66.7814, 77.8726



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

53.2698, 60.7263, 68.5882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7528, 66.7814, 77.8726 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(140, 229, 220)` looks like.

```
.text, #text, p{  
    color:rgb(140, 229, 220)  
}
```

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(140, 229, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 229, 220) }
```

Border

The CSS property to change the border of an element to XYZ 51.7528, 66.7814, 77.8726 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(140, 229, 220) }
```


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

```
.border{ border-color:rgb(140, 229, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 229, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 229, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 229, 220); box-shadow:4px 4px 4px 4px rgb(140, 229, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7528, 66.7814, 77.8726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 229, 220) }
```

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

```
.background{ background-color: rgb(140,  
229, 220) }
```

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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