

Converting Colors

XYZ(50.9656, 69.5294, 79.5591)

Have a look what the booklet for
XYZ(50.9656, 69.5294, 79.5591)
contains.

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Color

**XYZ(51.0768, 69.7642,
79.8811)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 77EDDE |
| RGB | 119, 237, 222 |
| RGB Percent | 47%, 93%, 87% |
| CMY | 0.5333, 0.0706, 0.1294 |
| CMYK | 0.50, 0.00, 0.06, 0.07 |
| HSL | 172°, 77%, 70% |
| HSV | 172°, 50%, 93% |
| XYZ | 51.0768, 69.7642, 79.8811 |
| YIQ | 200.0080, -65.5130, -29.6810 |

Conversions

Conversions Part 2

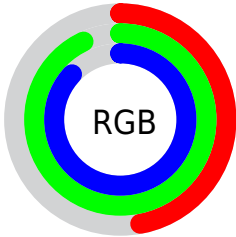
| Format | Color |
|-------------------------------------|-------------------------------------------------|
| RYB | 119, 182, 237 |
| Decimal | 7859678 |
| CIELab | 86.88, -36.95, -3.00 |
| CIELCh | 87, 37.070, 184.642 |
| Yxy | 69.7642, 0.2545, 0.3476 |
| Android (android.graphics.Color) | 4286049758 (0xFF77EDDE) |
| YUV | 200.0080, 10.8421, -71.0440 |
| Hunter-Lab | 83.5250, -37.0132, 1.7641 |

Details

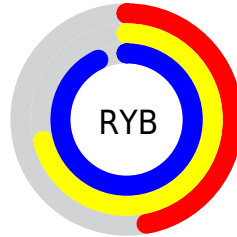
The XYZ color **51.0768, 69.7642, 79.8811** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **45.8274, 32.9215, 26.4960**, and the grayscale version is **54.8707, 57.7283, 62.8661**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **25.0745, 36.6500, 42.3118** is the 20% darker color. If you saturate the color by 10%, you get **47.8210, 68.1337, 77.6406**, and if you desaturate by 10%, it is **55.1547, 71.8211, 82.2008**.

Distribution



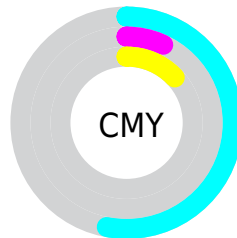
- Red (47%)
- Green (93%)
- Blue (87%)



- Red (47%)
- Yellow (71%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (53%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0768, 69.7642, 79.8811 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 51.0768, 69.7642, 79.8811 by changing the saturation by 10% instead.

51.0768, 69.7642,
79.8811

51.0768, 69.7642,
79.8811

381.2448,
459.7216, 514.2282

36.4910, 51.3343,
59.0949

90.9506, 118.8724,
135.0084

24.9855, 36.4747,
42.2690

116.9693,
150.3196, 170.1867

16.1949, 24.8011,
28.9849

147.5298,
186.8746, 210.9994

9.7539, 15.9289,
18.8239

182.9973,
228.9219, 257.8650

5.2971, 9.4739,
11.3676

223.7372,
276.8458, 311.2022

2.4592, 5.0515,
6.1974

270.1148,

0.8747, 2.2775,

331.0308, 371.4294

2.8947

322.4956,
391.8613, 438.9653

■ 0.0000, 0.7618,
1.0411

■ 0.0000, 0.0000,
0.0000

■ 51.0768, 69.7642,
79.8811

■ 51.0768, 69.7642,
79.8811

■ 47.8210, 68.1337,
77.6406

■ 55.1547, 71.8211,
82.2008

■ 45.3199, 66.8898,
75.4715


■ 60.1039, 74.3245,
84.5976


■ 43.5051, 65.9988,
73.3717


■ 65.9767, 77.3033,
87.0757

■ 42.2933, 65.4179,
71.3373


■ 72.8196, 80.7813,
89.6374


 41.5462, 65.0757,
69.3615

 80.6759, 84.7809,
92.2850

 41.5321, 65.0693,
69.3200

 87.2655, 88.1267,
94.9120

 87.7172, 88.3074,
97.2905

 88.1764, 88.4910,
99.7084

 88.6430, 88.6777,
102.1658

Harmonies

Analogous

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



52.3884, 69.7642, 57.3360



51.0768, 69.7642, 79.8811



53.5470, 69.7642, 106.3769

Triad

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



51.0768, 69.7642, 79.8811



76.2179, 69.7642, 122.2661



73.6886, 69.7642, 40.5411

Complementary

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



51.0768, 69.7642, 79.8811



45.8274, 32.9215, 26.4960

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.



80.9524, 69.7642, 51.9780



51.0768, 69.7642, 79.8811



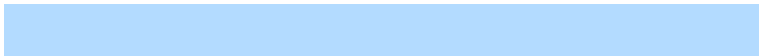
82.4994, 69.7642, 98.2378

Square

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



51.0768, 69.7642, 79.8811



67.6637, 69.7642, 134.0041



84.3028, 69.7642, 72.1720



64.9721, 69.7642, 37.6941

Rectangle

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



51.0768, 69.7642, 79.8811



57.1437, 69.7642, 121.7978



84.3028, 69.7642, 72.1720



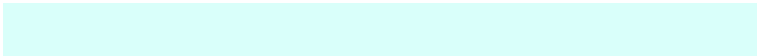
76.4048, 69.7642, 43.3648

Sweetspot

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



51.0788, 69.7669, 79.8827



81.5778, 93.1442, 104.2342



43.5650, 67.0319, 28.0967



17.1021, 19.7543, 22.1740



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.



51.0788, 69.7669, 79.8827



56.3142, 80.3747, 91.5588



42.1285, 48.5039, 87.2655



15.4304, 17.0870, 18.9496



22.7083, 35.5378, 38.0247



1.8062, 2.7998, 3.1073

Inverse Universe

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



45.8274, 32.9215, 26.4960



49.4704, 32.1543, 21.8339



51.2246, 45.2736, 23.4933



15.1434, 15.0852, 16.0404



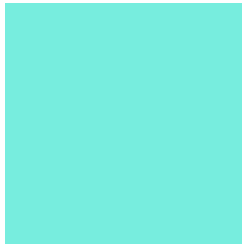
19.2226, 9.8917, 1.7077



1.5346, 0.7868, 0.2665

Previews

White Background



This preview shows how the XYZ color 51.0768, 69.7642, 79.8811 looks on a white background.

Color Contrast Check

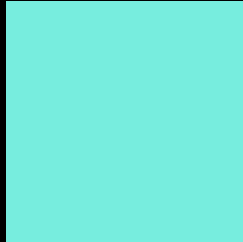
Large Text (above 18pt) WCAG AA × Fail

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 51.0768, 69.7642, 79.8811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

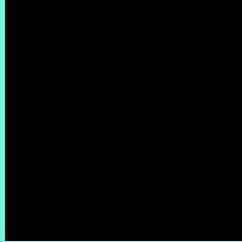
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

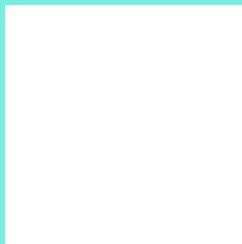
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.0768, 69.7642, 79.8811

Background



This preview shows how black text looks on a background with the XYZ color 51.0768, 69.7642, 79.8811.



This preview shows how white text looks on a background with the XYZ color 51.0768, 69.7642,

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

51.0768, 69.7642, 79.8811

Protanopia

65.7521, 68.6262, 70.7534

Deuteranopia

70.3289, 68.8504, 82.9815



Tritanopia

55.4536, 69.8321, 101.8230

Trichromacy



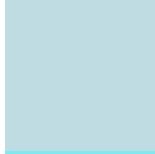
Original Color

51.0768, 69.7642, 79.8811



Protanomaly

58.2924, 67.8207, 73.6367



Deuteranomaly

60.8065, 67.7538, 81.8244



Tritanomaly

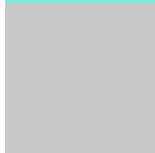
53.6084, 69.4969, 93.0269

Monochromacy



Original Color

51.0768, 69.7642, 79.8811



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.9740, 60.8005, 68.6709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0768, 69.7642, 79.8811 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(119, 237, 222)` looks like.

```
.text, #text, p{  
    color:rgb(119, 237, 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(119, 237, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 237, 222) }
```

Border

The CSS property to change the border of an element to XYZ 51.0768, 69.7642, 79.8811 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(119, 237, 222) }
```


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

```
.border{ border-color:rgb(119, 237, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 237, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(119, 237,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0768, 69.7642, 79.8811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 237, 222) }
```

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

```
.background{ background-color: rgb(119,  
237, 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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