

Converting Colors

XYZ(51.2560, 68.9291, 77.6787)

Have a look what the booklet for
XYZ(51.2560, 68.9291, 77.6787)
contains.

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Color

**XYZ(51.3966, 69.1203,
77.6505)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 80EBDB |
| RGB | 128, 235, 219 |
| RGB Percent | 50%, 92%, 86% |
| CMY | 0.4980, 0.0784, 0.1412 |
| CMYK | 0.46, 0.00, 0.07, 0.08 |
| HSL | 171°, 73%, 71% |
| HSV | 171°, 46%, 92% |
| XYZ | 51.3966, 69.1203, 77.6505 |
| YIQ | 201.1830, -58.6360, -27.6600 |

Conversions

Conversions Part 2

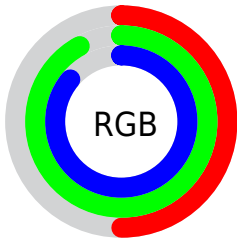
| Format | Color |
|-------------------------------------|--|
| RYB | 128, 186, 235 |
| Decimal | 8448987 |
| CIELab | 86.56, -34.73, -1.85 |
| CIElCh | 87, 34.783, 183.053 |
| Yxy | 69.1203, 0.2594, 0.3488 |
| Android (android.graphics.Color) | 4286639067 (0xFF80EBDB) |
| YUV | 201.1830, 8.7838, -64.1815 |
| Hunter-Lab | 83.1386, -35.1432, 2.8209 |

Details

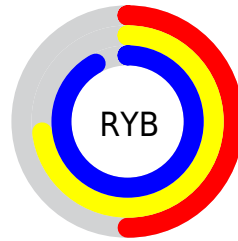
The XYZ color **51.3966, 69.1203, 77.6505** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.0165, 35.1161, 30.6882**, and the grayscale version is **55.6058, 58.5016, 63.7083**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **25.2048, 36.1495, 40.7711** is the 20% darker color. If you saturate the color by 10%, you get **47.8055, 67.3236, 75.0938**, and if you desaturate by 10%, it is **55.8200, 71.3483, 80.3002**.

Distribution



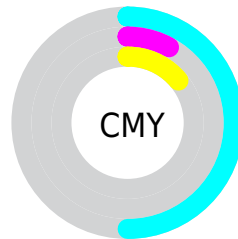
- Red (50%)
- Green (92%)
- Blue (86%)



- Red (50%)
- Yellow (73%)
- Blue (92%)



- Cyan (46%)
- Magenta (0%)
- Yellow (7%)
- Black (8%)





- Cyan (50%)
- Magenta (8%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3966, 69.1203, 77.6505 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 51.3966, 69.1203, 77.6505 by changing the saturation by 10% instead.


 51.3966, 69.1203,
77.6505


 51.3966, 69.1203,
77.6505


382.4650,
457.4552, 506.4755


 36.7467, 50.8097,
57.2722


 91.4203, 117.9534,
131.8387

 25.1842, 36.0572,
40.8130

 117.5247,
149.2446, 166.4857

 16.3438, 24.4784,
27.8544


 148.1780,
185.6316, 206.7259

 9.8601, 15.6888,
17.9778

183.7455,
227.4986, 252.9780

 5.3679, 9.3042,
10.7648

224.5926,
275.2300, 305.6605

 2.5016, 4.9402,
5.7967

271.0847,

 0.8961, 2.2122,

329.2104, 365.1919

2.6551

323.5870,
389.8239, 431.9907

0.0000, 0.7266,
0.9207

0.0000, 0.0000,
0.0000

51.3966, 69.1203,
77.6505

51.3966, 69.1203,
77.6505

47.8055, 67.3236,
75.0938

55.8200, 71.3483,
80.3002

44.9833, 65.9205,
72.6223


61.1215, 74.0262,
83.0408


42.8672, 64.8803,
70.2342


67.3508, 77.1812,
85.8764


41.3819, 64.1641,
67.9256


74.5520, 80.8361,
88.8094

 40.4341, 63.7240,
65.6920


 82.7665, 85.0122,
91.8420

 40.1182, 63.5825,
64.7149

 86.6909, 86.9755,
94.7264

 87.2185, 87.1866,
97.5047

 87.7563, 87.4017,
100.3365

 88.3042, 87.6209,
103.2221

Harmonies

Analogous

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



52.8203, 69.1203, 56.8755



51.3966, 69.1203, 77.6505



53.5377, 69.1203, 102.1741

Triad

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



51.3966, 69.1203, 77.6505



74.5226, 69.1203, 118.9579



72.9775, 69.1203, 42.2072

Complementary

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



51.3966, 69.1203, 77.6505



47.0165, 35.1161, 30.6882

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.



79.5701, 69.1203, 53.5436



51.3966, 69.1203, 77.6505



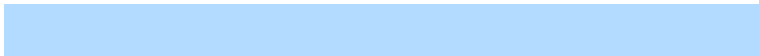
80.5123, 69.1203, 97.2328

Square

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



51.3966, 69.1203, 77.6505



66.5262, 69.1203, 128.8890



82.4302, 69.1203, 72.9196



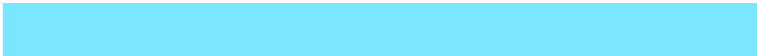
64.8743, 69.1203, 39.0530

Rectangle

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



51.3966, 69.1203, 77.6505



56.8098, 69.1203, 116.6248



82.4302, 69.1203, 72.9196



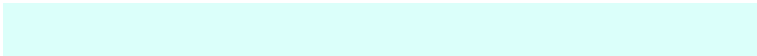
75.4653, 69.1203, 45.0546

Sweetspot

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



51.3986, 69.1230, 77.6521



82.2659, 93.5075, 103.8768



45.1171, 66.9117, 30.9608



17.2317, 19.8235, 22.0727



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.



51.3986, 69.1230, 77.6521



57.6523, 81.0899, 90.4741



43.9910, 50.7725, 86.0818



15.4152, 17.0809, 18.8693



22.3645, 35.4003, 36.2144



1.7825, 2.7903, 2.9823

Inverse Universe

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



47.0165, 35.1161, 30.6882



51.7667, 35.2343, 27.2627



51.6960, 46.2958, 26.6348



15.1573, 15.0908, 16.1135



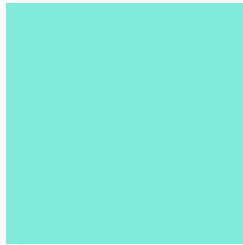
19.2665, 9.9093, 1.9388



1.5412, 0.7894, 0.3011

Previews

White Background



This preview shows how the XYZ color 51.3966, 69.1203, 77.6505 looks on a white background.

Color Contrast Check

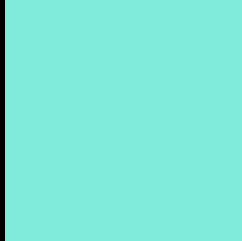
Large Text (above 18pt) WCAG AA × Fail

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 51.3966, 69.1203, 77.6505 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

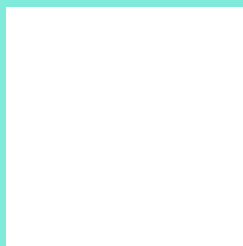
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.3966, 69.1203, 77.6505

Background



This preview shows how black text looks on a background with the XYZ color 51.3966, 69.1203, 77.6505.

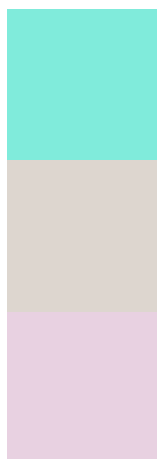


This preview shows how white text looks on a background with the XYZ color 51.3966, 69.1203,

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

51.3966, 69.1203, 77.6505

Protanopia

65.1278, 67.9703, 68.7185

Deuteranopia

69.6698, 68.1930, 80.7247



Tritanopia

55.9913, 69.3097, 100.0496

Trichromacy



Original Color

51.3966, 69.1203, 77.6505



Protanomaly

58.3727, 67.5105, 71.5823



Deuteranomaly

60.6388, 66.9399, 79.5367



Tritanomaly

54.1207, 68.9546, 91.3460

Monochromacy



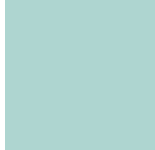
Original Color

51.3966, 69.1203, 77.6505



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.6350, 61.1412, 68.7018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3966, 69.1203, 77.6505 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(128, 235, 219)` looks like.

```
.text, #text, p{  
    color:rgb(128, 235, 219)  
}
```

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(128, 235, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 235, 219) }
```

Border

The CSS property to change the border of an element to XYZ 51.3966, 69.1203, 77.6505 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(128, 235, 219) }
```


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

```
.border{ border-color:rgb(128, 235, 219) }
```

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

Here you see how a box with a 4 pixel rgb(128, 235, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 235, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 235, 219);  
box-shadow:4px 4px 4px 4px rgb(128, 235,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3966, 69.1203, 77.6505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 235, 219) }
```

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

```
.background{ background-color: rgb(128,  
235, 219) }
```

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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