

Converting Colors

XYZ(50.9966, 66.7126, 78.9432)

Have a look what the booklet for
XYZ(50.9966, 66.7126, 78.9432)
contains.

XYZ(51.0208, 66.8006, 78.6113)	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(51.0208, 66.8006,
78.6113)**

Conversions

Conversions Part 1

Format	Color
Hex	85E6DD
RGB	133, 230, 221
RGB Percent	52%, 90%, 87%
CMY	0.4784, 0.0980, 0.1333
CMYK	0.42, 0.00, 0.04, 0.10
HSL	174°, 66%, 71%
HSV	174°, 42%, 90%
XYZ	51.0208, 66.8006, 78.6113
YIQ	199.9710, -54.9230, -23.3630

Conversions

Conversions Part 2

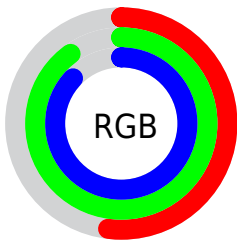
Format	Color
R _{YB}	133, 184, 230
Decimal	8775389
CIE _{Lab}	85.40, -30.73, -4.59
CIE _{LCh}	85, 31.067, 188.491
Y _{xy}	66.8006, 0.2597, 0.3401
Android (android.graphics.Color)	4286965469 (0xFF85E6DD)
YUV	199.9710, 10.3673, -58.7336
Hunter-Lab	81.7316, -31.6021, 0.1857

Details

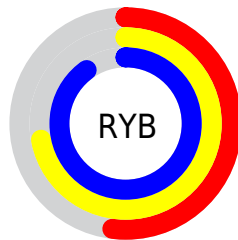
The XYZ color **51.0208, 66.8006, 78.6113** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.9054, 35.5529, 30.0366**, and the grayscale version is **54.8459, 57.7021, 62.8376**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **24.9206, 34.5211, 41.4262** is the 20% darker color. If you saturate the color by 10%, you get **47.4974, 65.0185, 76.9725**, and if you desaturate by 10%, it is **55.3467, 68.9992, 80.3095**.

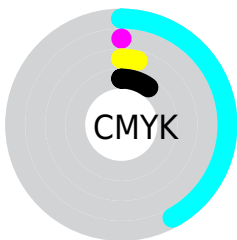
Distribution



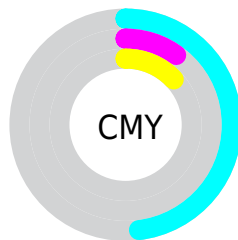
- Red (52%)
- Green (90%)
- Blue (87%)



- Red (52%)
- Yellow (72%)
- Blue (90%)



- Cyan (42%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)





- Cyan (48%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0208, 66.8006, 78.6113 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 51.0208, 66.8006, 78.6113 by changing the saturation by 10% instead.


 51.0208, 66.8006,
78.6113


 51.0208, 66.8006,
78.6113


381.0309,
449.2347, 509.8232


 36.4463, 48.9226,
58.0569


 90.8683, 114.6346,
133.2052

 24.9508, 34.5581,
41.4394


 116.8720,
145.3595, 168.0817

 16.1689, 23.3227,
28.3403


 147.4162,
181.1354, 208.5694

 9.7354, 14.8319,
18.3410

182.8661,
222.3467, 255.0867

 5.2848, 8.7015,
11.0231

223.5872,
269.3780, 308.0522

 2.4518, 4.5470,
5.9680

269.9448,

 0.8710, 1.9840,

322.6134, 367.8844

2.7572

322.3043,
382.4375, 435.0019

0.0000, 0.5982,
0.9720

0.0000, 0.0000,
0.0000

51.0208, 66.8006,
78.6113

51.0208, 66.8006,
78.6113

47.4974, 65.0185,
76.9725

55.3467, 68.9992,
80.3095

44.7183, 63.6181,
75.3859

60.5170, 71.6311,
82.0646


42.6265, 62.5716,
73.8502


66.5776, 74.7216,
83.8805


41.1546, 61.8442,
72.3621


73.5694, 78.2916,
85.7590


 40.2212, 61.3940,
70.9179


 81.5307, 82.3611,
87.7020

 39.7642, 61.1824,
69.8133

 84.3618, 83.7854,
89.4242

 84.6701, 83.9087,
91.0476

 84.9821, 84.0335,
92.6905

 85.2978, 84.1598,
94.3530

Harmonies

Analogous

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



51.7105, 66.8006, 59.4242



51.0208, 66.8006, 78.6113



53.4737, 66.8006, 99.6348

Triad

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



51.0208, 66.8006, 78.6113



72.2967, 66.8006, 107.5001



68.5864, 66.8006, 42.2956

Complementary

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



51.0208, 66.8006, 78.6113



45.9054, 35.5529, 30.0366

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.



74.6894, 66.8006, 51.1723



51.0208, 66.8006, 78.6113



76.9393, 66.8006, 87.8972

Square

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



51.0208, 66.8006, 78.6113



65.5121, 66.8006, 118.2185



77.8458, 66.8006, 67.1581



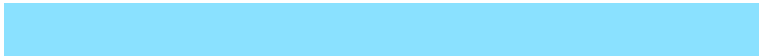
61.5138, 66.8006, 40.7303

Rectangle

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



51.0208, 66.8006, 78.6113



56.6757, 66.8006, 111.0529



77.8458, 66.8006, 67.1581



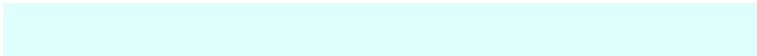
70.8339, 66.8006, 44.4323

Sweetspot

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



51.0227, 66.8032, 78.6129



83.3968, 94.0493, 105.7897



43.8083, 64.1026, 32.2558



17.4701, 19.9364, 22.5332



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.



51.0227, 66.8032, 78.6129



60.3773, 82.3431, 97.4504



42.6323, 48.0509, 81.8936



14.7467, 16.3121, 18.1971



22.5358, 34.6464, 39.6512



1.6822, 2.5670, 3.0192

Inverse Universe

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



45.9054, 35.5529, 30.0366



53.0841, 37.7213, 28.1574



51.5835, 47.9477, 28.7278



14.4310, 14.3896, 15.2043



18.5729, 9.5634, 1.3797



1.3912, 0.7142, 0.2004

Previews

White Background



This preview shows how the XYZ color 51.0208, 66.8006, 78.6113 looks on a white background.

Color Contrast Check

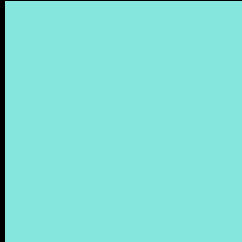
Large Text (above 18pt) WCAG AA × Fail

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 51.0208, 66.8006, 78.6113 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

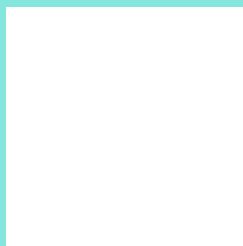
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.0208, 66.8006, 78.6113

Background



This preview shows how black text looks on a background with the XYZ color 51.0208, 66.8006, 78.6113.

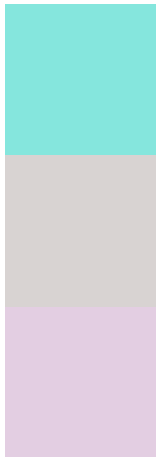


This preview shows how white text looks on a background with the XYZ color 51.0208, 66.8006,

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

51.0208, 66.8006, 78.6113

Protanopia

63.2460, 65.8406, 70.3479

Deuteranopia

67.4773, 65.9645, 81.1275



Tritanopia

54.4930, 66.5607, 96.3616

Trichromacy



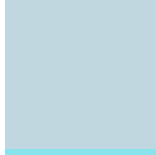
Original Color

51.0208, 66.8006, 78.6113



Protanomaly

57.4587, 65.4370, 73.2205



Deuteranomaly

59.7473, 65.3202, 79.9800



Tritanomaly

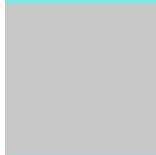
52.9259, 66.3127, 89.3670

Monochromacy



Original Color

51.0208, 66.8006, 78.6113



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.5839, 60.3727, 68.5561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0208, 66.8006, 78.6113 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(133, 230, 221)` looks like.

```
.text, #text, p{  
    color:rgb(133, 230, 221)  
}
```

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(133, 230, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 230, 221) }
```

Border

The CSS property to change the border of an element to XYZ 51.0208, 66.8006, 78.6113 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(133, 230, 221) }
```


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

```
.border{ border-color:rgb(133, 230, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 230, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 230, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 230, 221);  
box-shadow:4px 4px 4px 4px rgb(133, 230,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0208, 66.8006, 78.6113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 230, 221) }
```

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

```
.background{ background-color: rgb(133,  
230, 221) }
```

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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