

Converting Colors

XYZ(52.1163, 67.8741, 84.0910)

Have a look what the booklet for
XYZ(52.1163, 67.8741, 84.0910)
contains.

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Color

**XYZ(52.2203, 68.1400,
83.7988)**

Conversions

Conversions Part 1

Format	Color
Hex	83E8E4
RGB	131, 232, 228
RGB Percent	51%, 91%, 89%
CMY	0.4863, 0.0902, 0.1059
CMYK	0.44, 0.00, 0.02, 0.09
HSL	178°, 69%, 71%
HSV	178°, 44%, 91%
XYZ	52.2203, 68.1400, 83.7988
YIQ	201.3450, -58.9120, -22.6560

Conversions

Conversions Part 2

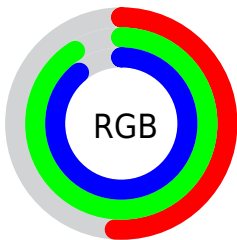
Format	Color
RYB	131, 183, 232
Decimal	8644836
CIELab	86.08, -30.47, -7.29
CIELCh	86, 31.329, 193.454
Yxy	68.1400, 0.2558, 0.3338
Android (android.graphics.Color)	4286834916 (0xFF83E8E4)
YUV	201.3450, 13.1409, -61.6926
Hunter-Lab	82.5470, -31.5357, -2.4063

Details

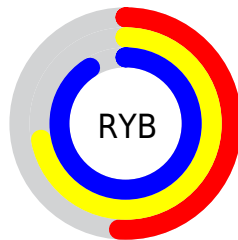
The XYZ color **52.2203, 68.1400, 83.7988** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.7706, 35.1397, 27.2944**, and the grayscale version is **55.6803, 58.5800, 63.7936**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **25.7406, 35.4455, 45.0202** is the 20% darker color. If you saturate the color by 10%, you get **48.8948, 66.4420, 82.9801**, and if you desaturate by 10%, it is **56.3550, 70.2584, 84.6619**.

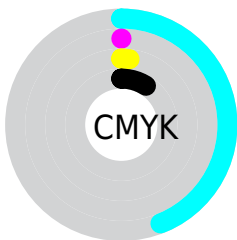
Distribution



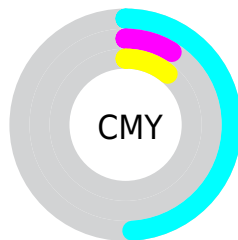
- Red (51%)
- Green (91%)
- Blue (89%)



- Red (51%)
- Yellow (72%)
- Blue (91%)



- Cyan (44%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)





- Cyan (49%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2203, 68.1400, 83.7988 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 52.2203, 68.1400, 83.7988 by changing the saturation by 10% instead.


 52.2203, 68.1400,
83.7988


 52.2203, 68.1400,
83.7988


385.5965,
453.9919, 527.6854


 37.4057, 50.0116,
62.3049


 92.6284, 116.5524,
140.5529

 25.6969, 35.4226,
44.8417


 118.9525,
147.6052, 176.6502

 16.7285, 23.9886,
30.9907


 149.8439,
183.7350, 218.4524

 10.1352, 15.3252,
20.3334

185.6678,
225.3261, 266.3780

 5.5516, 9.0479,
12.4511

226.7897,
272.7630, 320.8456

 2.6125, 4.7725,
6.9255

273.5749,

 0.9523, 2.1144,

326.4300, 382.2736

3.3378

326.3887,
386.7115, 451.0807

■ 0.0000, 0.6727,
1.2696

■ 0.0000, 0.0000,
0.0367

■ 52.2203, 68.1400,
83.7988

■ 52.2203, 68.1400,
83.7988

■ 48.8948, 66.4420,
82.9801

■ 56.3550, 70.2584,
84.6619

■ 46.3180, 65.1282,
82.1985

■ 61.3422, 72.8145,
85.5670

■ 44.4310, 64.1700,
81.4527

■ 67.2291, 75.8344,
86.5177

■ 43.1631, 63.5309,
80.7394

■ 74.0581, 79.3398,
87.5160

■ 42.4287, 63.1666,
80.0545

■ 81.8684, 83.3511,
88.5639

■ 42.1514, 63.0330,
79.6228

■ 84.8799, 84.8883,
89.3908

■ 85.0120, 84.9412,
90.0864

■ 85.1448, 84.9943,
90.7857

■ 85.2782, 85.0477,
91.4886

Harmonies

Analogous

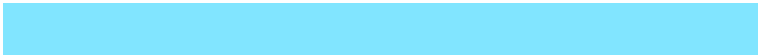
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.3878, 68.1400, 63.4719



52.2203, 68.1400, 83.7988



55.2323, 68.1400, 104.9162

Triad

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



52.2203, 68.1400, 83.7988



74.7538, 68.1400, 106.8317



68.7853, 68.1400, 42.3244

Complementary

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



52.2203, 68.1400, 83.7988



45.7706, 35.1397, 27.2944

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.



75.3360, 68.1400, 50.1423



52.2203, 68.1400, 83.7988



78.9526, 68.1400, 86.0578

Square

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



52.2203, 68.1400, 83.7988



68.0376, 68.1400, 119.7831



79.1733, 68.1400, 65.3506



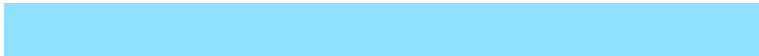
61.5991, 68.1400, 41.9451

Rectangle

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



52.2203, 68.1400, 83.7988



58.7769, 68.1400, 115.5814



79.1733, 68.1400, 65.3506



71.1467, 68.1400, 44.0931

Sweetspot

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



52.2223, 68.1427, 83.8004



83.6775, 94.1616, 107.2675



43.1169, 64.5931, 31.6695



17.5402, 19.9645, 22.9025



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.



52.2223, 68.1427, 83.8004



61.0582, 82.5730, 102.9533



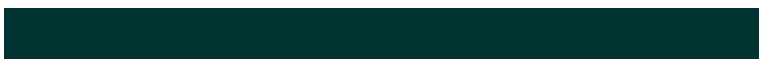
41.6027, 46.0038, 83.0339



14.7815, 16.3260, 18.3800



23.4115, 34.9967, 44.2626



1.7378, 2.5892, 3.3116

Inverse Universe

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



45.7706, 35.1397, 27.2944



52.1223, 36.8269, 24.6643



52.9916, 50.0244, 28.3370



14.4000, 14.3772, 15.0410



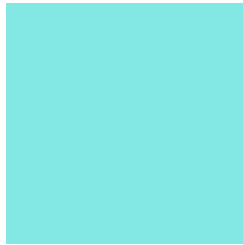
18.5138, 9.5397, 1.0687



1.3763, 0.7082, 0.1222

Previews

White Background



This preview shows how the XYZ color 52.2203, 68.1400, 83.7988 looks on a white background.

Color Contrast Check

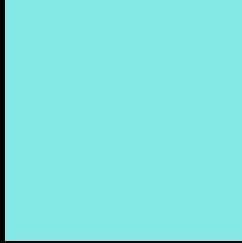
Large Text (above 18pt) WCAG AA × Fail

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 52.2203, 68.1400, 83.7988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

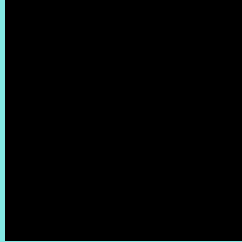
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2203, 68.1400, 83.7988

Background



This preview shows how black text looks on a background with the XYZ color 52.2203, 68.1400, 83.7988.

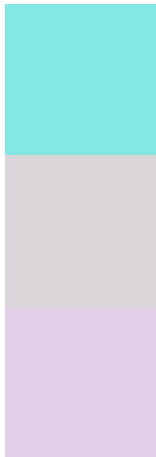


This preview shows how white text looks on a background with the XYZ color 52.2203, 68.1400,

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

52.2203, 68.1400, 83.7988

Protanopia

64.9339, 67.3500, 75.2231

Deuteranopia

68.6279, 67.1637, 86.4376



Tritanopia

55.1243, 68.0724, 98.2296

Trichromacy



Original Color

52.2203, 68.1400, 83.7988



Protanomaly

58.8940, 66.8460, 78.2051



Deuteranomaly

60.7225, 66.4716, 85.2312



Tritanomaly

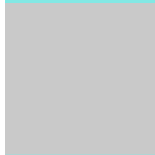
54.0167, 68.0358, 92.7233

Monochromacy



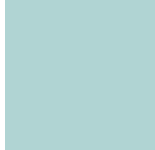
Original Color

52.2203, 68.1400, 83.7988



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

53.2059, 61.0202, 70.6019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2203, 68.1400, 83.7988 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(131, 232, 228)` looks like.

```
.text, #text, p{  
    color:rgb(131, 232, 228)  
}
```

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(131, 232, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 232, 228) }
```

Border

The CSS property to change the border of an element to XYZ 52.2203, 68.1400, 83.7988 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(131, 232, 228) }
```


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

```
.border{ border-color:rgb(131, 232, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 232, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 232, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 232, 228);  
box-shadow:4px 4px 4px 4px rgb(131, 232,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2203, 68.1400, 83.7988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 232, 228) }
```

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

```
.background{ background-color: rgb(131,  
232, 228) }
```

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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