

Converting Colors

XYZ(52.3300, 67.8444, 88.3971)

Have a look what the booklet for
XYZ(52.3300, 67.8444, 88.3971)
contains.

XYZ(52.1796, 67.6044, 88.1407)	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(52.1796, 67.6044,
88.1407)**

Conversions

Conversions Part 1

Format	Color
Hex	7FE7EA
RGB	127, 231, 234
RGB Percent	50%, 91%, 92%
CMY	0.5019, 0.0941, 0.0823
CMYK	0.46, 0.01, 0.00, 0.08
HSL	182°, 72%, 71%
HSV	182°, 46%, 92%
XYZ	52.1796, 67.6044, 88.1407
YIQ	200.2460, -62.9470, -21.1150

Conversions

Conversions Part 2

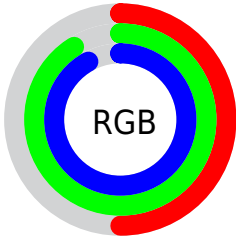
Format	Color
R _Y B	127, 180, 234
Decimal	8382442
CIE Lab	85.81, -29.42, -10.86
CIE LCh	86, 31.361, 200.268
Yxy	67.6044, 0.2510, 0.3251
Android (android.graphics.Color)	4286572522 (0xFF7FE7EA)
YUV	200.2460, 16.6407, -64.2367
Hunter-Lab	82.2219, -30.6088, -6.0027

Details

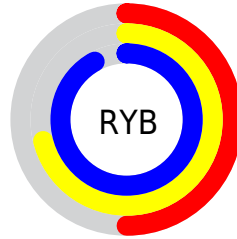
The XYZ color **52.1796, 67.6044, 88.1407** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.7462, 34.9910, 24.4231**, and the grayscale version is **54.9815, 57.8448, 62.9930**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **25.6126, 35.0325, 47.5315** is the 20% darker color. If you saturate the color by 10%, you get **48.9085, 65.6478, 87.9366**, and if you desaturate by 10%, it is **56.2647, 69.9848, 88.3860**.

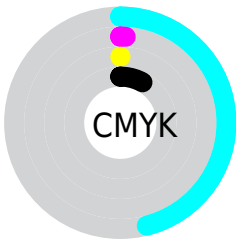
Distribution



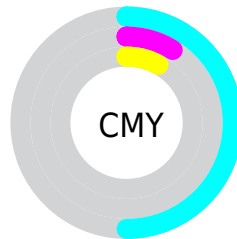
- Red (50%)
- Green (91%)
- Blue (92%)



- Red (50%)
- Yellow (71%)
- Blue (92%)



- Cyan (46%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)





- Cyan (50%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1796, 67.6044, 88.1407 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 52.1796, 67.6044, 88.1407 by changing the saturation by 10% instead.


 52.1796, 67.6044,
88.1407


 52.1796, 67.6044,
88.1407


385.4422,
452.0931, 542.3771


 37.3731, 49.5760,
65.8746


 92.5687, 115.7860,
146.6659

 25.6715, 35.0766,
47.7148

 118.8820,
146.7080, 183.7621

 16.7094, 23.7219,
33.2427


 149.7617,
182.6966, 226.6387

 10.1216, 15.1274,
22.0398

185.5730,
224.1363, 275.7142

 5.5425, 8.9089,
13.6875

226.6814,
271.4114, 331.4073

 2.6069, 4.6818,
7.7674

273.4521,

 0.9495, 2.0618,

324.9063, 394.1365

3.8608

326.2506,
385.0054, 464.3202

■ 0.0000, 0.6430,
1.5493

■ 0.0000, 0.0000,
0.2543

■ 52.1796, 67.6044,
88.1407

■ 52.1796, 67.6044,
88.1407

■ 48.9085, 65.6478,
87.9366

■ 56.2647, 69.9848,
88.3860

■ 46.3884, 64.0778,
87.7664


■ 61.2090, 72.8077,
88.6703


■ 44.5573, 62.8639,
87.6286


■ 67.0618, 76.0999,
88.9973


■ 43.3402, 61.9677,
87.5198


■ 73.8668, 79.8839,
89.3690


 42.6448, 61.3413,
87.4355


 81.6648, 84.1809,
89.7874

 42.4427, 61.1229,
87.4040

 85.7819, 86.5814,
90.0338

 85.9699, 86.9574,
90.0964

 86.1586, 87.3348,
90.1593

 86.3480, 87.7135,
90.2225

Harmonies

Analogous

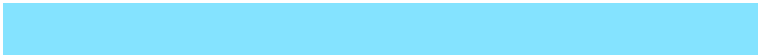
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.6118, 67.6044, 67.1398



52.1796, 67.6044, 88.1407



55.8463, 67.6044, 108.3121

Triad

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



52.1796, 67.6044, 88.1407



75.4436, 67.6044, 101.8186



66.6129, 67.6044, 41.1687

Complementary

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



52.1796, 67.6044, 88.1407



45.7462, 34.9910, 24.4231

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.



73.4702, 67.6044, 47.2455



52.1796, 67.6044, 88.1407



78.8130, 67.6044, 80.4824

Square

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



52.1796, 67.6044, 88.1407



69.1474, 67.6044, 117.1712



78.0651, 67.6044, 60.7705



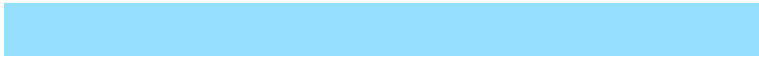
59.6008, 67.6044, 42.4548

Rectangle

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



52.1796, 67.6044, 88.1407



59.7161, 67.6044, 117.3434



78.0651, 67.6044, 60.7705



69.0203, 67.6044, 42.3673

Sweetspot

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



52.1816, 67.6070, 88.1423



82.7955, 93.2102, 108.2353



42.1247, 64.9383, 31.0092



17.3621, 19.7499, 23.1470



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.



52.1816, 67.6070, 88.1423



59.6067, 79.8865, 106.8858



39.6686, 42.5810, 83.9713



15.4794, 17.0452, 19.3965



23.8666, 34.3802, 49.1211



1.8855, 2.7226, 3.8610

Inverse Universe

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



55.9465, 38.4424, 80.0756



64.7660, 40.4340, 95.7163



54.5499, 52.5985, 27.3577



15.6955, 15.3061, 18.9479



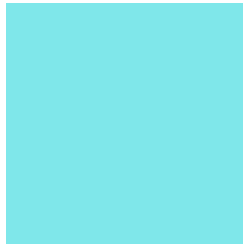
26.9020, 12.9635, 42.1470



2.1182, 1.0203, 3.3400

Previews

White Background



This preview shows how the XYZ color 52.1796, 67.6044, 88.1407 looks on a white background.

Color Contrast Check

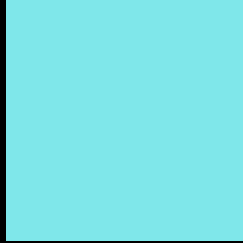
Large Text (above 18pt) WCAG AA × Fail

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 52.1796, 67.6044, 88.1407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

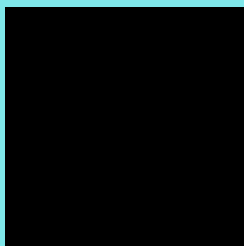
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

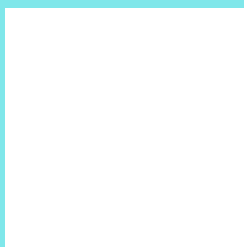
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.1796, 67.6044, 88.1407

Background



This preview shows how black text looks on a background with the XYZ color 52.1796, 67.6044, 88.1407.



This preview shows how white text looks on a background with the XYZ color 52.1796, 67.6044,

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

52.1796, 67.6044, 88.1407

Protanopia

64.4599, 66.6570, 78.5759

Deuteranopia

68.2601, 66.8733, 90.9715



Tritanopia

54.1679, 67.5793, 98.1849

Trichromacy



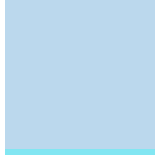
Original Color

52.1796, 67.6044, 88.1407



Protanomaly

58.3504, 66.0991, 81.6345



Deuteranomaly

60.3354, 65.7910, 89.6397



Tritanomaly

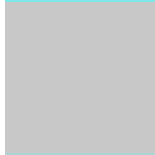
53.5297, 67.7503, 94.2602

Monochromacy



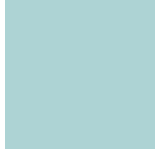
Original Color

52.1796, 67.6044, 88.1407



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.4115, 60.2262, 71.1498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1796, 67.6044, 88.1407 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(127, 231, 234)` looks like.

```
.text, #text, p{  
    color:rgb(127, 231, 234)  
}
```

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(127, 231, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 231, 234) }
```

Border

The CSS property to change the border of an element to XYZ 52.1796, 67.6044, 88.1407 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(127, 231, 234) }
```


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

```
.border{ border-color:rgb(127, 231, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 231, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 231, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 231, 234);  
box-shadow:4px 4px 4px 4px rgb(127, 231,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1796, 67.6044, 88.1407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 231, 234) }
```

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

```
.background{ background-color: rgb(127,  
231, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor