

Converting Colors

XYZ(52.4988, 69.5687, 75.4131)

Have a look what the booklet for
XYZ(52.4988, 69.5687, 75.4131)
contains.

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Color

**XYZ(52.5842, 69.7778,
75.6627)**

Conversions

Conversions Part 1

Format	Color
Hex	8AEBD8
RGB	138, 235, 216
RGB Percent	54%, 92%, 85%
CMY	0.4588, 0.0784, 0.1529
CMYK	0.41, 0.00, 0.08, 0.08
HSL	168°, 71%, 73%
HSV	168°, 41%, 92%
XYZ	52.5842, 69.7778, 75.6627
YIQ	203.8310, -51.7130, -26.4730

Conversions

Conversions Part 2

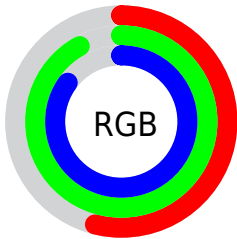
Format	Color
RYB	138, 192, 235
Decimal	9104344
CIELab	86.89, -33.02, 0.24
CIELCh	87, 33.018, 179.576
Yxy	69.7778, 0.2655, 0.3524
Android (android.graphics.Color)	4287294424 (0xFF8AEBD8)
YUV	203.8310, 5.9993, -57.7338
Hunter-Lab	83.5331, -33.8170, 4.7694

Details

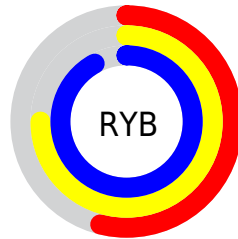
The XYZ color **52.5842, 69.7778, 75.6627** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.4376, 38.2753, 36.6831**, and the grayscale version is **57.2761, 60.2589, 65.6220**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **25.9465, 36.5627, 39.4080** is the 20% darker color. If you saturate the color by 10%, you get **48.5224, 67.7534, 72.4102**, and if you desaturate by 10%, it is **57.5078, 72.2480, 79.0456**.

Distribution



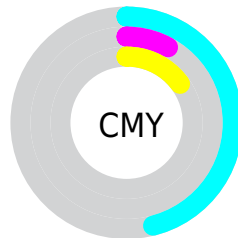
- Red (54%)
- Green (92%)
- Blue (85%)



- Red (54%)
- Yellow (75%)
- Blue (92%)



- Cyan (41%)
- Magenta (0%)
- Yellow (8%)
- Black (8%)





- Cyan (46%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5842, 69.7778, 75.6627 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 52.5842, 69.7778, 75.6627 by changing the saturation by 10% instead.


 52.5842, 69.7778,
75.6627


 52.5842, 69.7778,
75.6627


386.9748,
459.7694, 499.5083

 37.6971, 51.3454,
55.6510


 93.1614, 118.8918,
129.0057

 25.9238, 36.4836,
39.5210


 119.5822,
150.3423, 163.1741

 16.8990, 24.8079,
26.8544


150.5782,
186.9008, 202.8984

 10.2574, 15.9340,
17.2324

186.5149,
228.9519, 248.5972

 5.6335, 9.4775,
10.2366

227.7575,
276.8799, 300.6891

 2.6621, 5.0539,
5.4485

274.6715,

 0.9777, 2.2789,

331.0692, 359.5925

2.4494

327.6221,
391.9043, 425.7261

■ 0.0000, 0.7625,
0.8132

■ 0.0000, 0.0000,
0.0000

■ 52.5842, 69.7778,
75.6627

■ 52.5842, 69.7778,
75.6627

■ 48.5224, 67.7534,
72.4102

■ 57.5078, 72.2480,
79.0456

■ 45.2615, 66.1383,
69.2801


■ 63.3373, 75.1815,
82.5571


■ 42.7421, 64.9035,
66.2703


■ 70.1207, 78.6049,
86.2017


■ 40.8937, 64.0128,
63.3769

■ 77.9011, 82.5402,
89.9821


 39.6321, 63.4226,
60.5951


 86.5325, 86.9123,
93.8921

 38.8912, 63.0918,
58.2534

 87.2216, 87.1879,
97.5209

 87.9282, 87.4705,
101.2416

 88.6523, 87.7602,
105.0549

 88.9995, 87.8991,
106.8832

Harmonies

Analogous

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



54.3506, 69.7778, 56.4540



52.5842, 69.7778, 75.6627



54.2547, 69.7778, 98.8986

Triad

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



52.5842, 69.7778, 75.6627



73.9052, 69.7778, 119.1677



74.1095, 69.7778, 44.9509

Complementary

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



52.5842, 69.7778, 75.6627



49.4376, 38.2753, 36.6831

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.



80.0571, 69.7778, 56.9012



52.5842, 69.7778, 75.6627



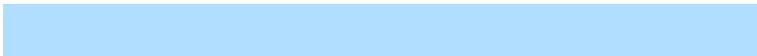
79.9329, 69.7778, 99.5482

Square

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



52.5842, 69.7778, 75.6627



66.2122, 69.7778, 126.7853



82.2649, 69.7778, 76.2905



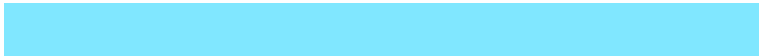
66.4314, 69.7778, 40.9591

Rectangle

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



52.5842, 69.7778, 75.6627



57.1724, 69.7778, 113.0648



82.2649, 69.7778, 76.2905



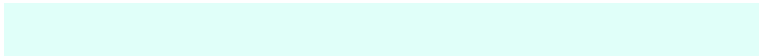
76.3985, 69.7778, 48.0399

Sweetspot

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



52.5862, 69.7806, 75.6643



83.7243, 94.2712, 103.4104



48.2807, 68.4629, 34.7160



17.6793, 20.0561, 22.0093



0.0000, 0.0000, 0.0000



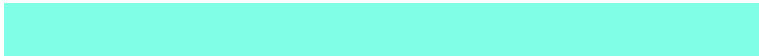
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.5862, 69.7806, 75.6643



58.8732, 81.7850, 87.5628



47.5260, 55.4983, 86.8078



15.3838, 17.0683, 18.7040



21.6899, 35.1304, 32.6617



1.7355, 2.7715, 2.7347

Inverse Universe

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



49.4376, 38.2753, 36.6831



54.6008, 38.8509, 34.5323



52.6877, 47.1733, 30.3744



15.1861, 15.1023, 16.2652



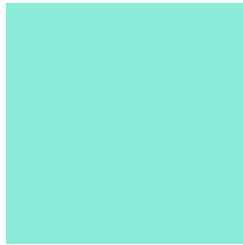
19.3781, 9.9539, 2.5267



1.5548, 0.7949, 0.3728

Previews

White Background



This preview shows how the XYZ color 52.5842, 69.7778, 75.6627 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 52.5842, 69.7778, 75.6627 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

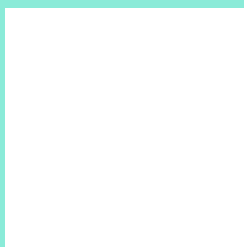
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.5842, 69.7778, 75.6627

Background



This preview shows how black text looks on a background with the XYZ color 52.5842, 69.7778, 75.6627.



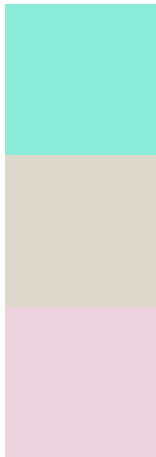
This preview shows how white text looks on a background with the XYZ color 52.5842, 69.7778,

75.6627.

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

52.5842, 69.7778, 75.6627

Protanopia

66.0067, 69.2075, 67.6371

Deuteranopia

70.3587, 68.9758, 78.0120



Tritanopia

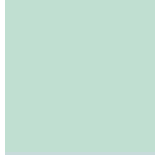
57.4283, 69.6362, 100.0369

Trichromacy



Original Color

52.5842, 69.7778, 75.6627



Protanomaly

59.6345, 68.5853, 70.4168



Deuteranomaly

61.9371, 68.0569, 76.8897



Tritanomaly

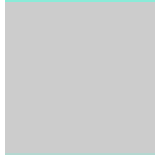
55.6443, 69.7569, 90.6524

Monochromacy



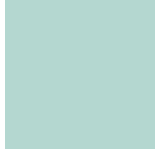
Original Color

52.5842, 69.7778, 75.6627



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.5080, 62.8582, 68.9345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5842, 69.7778, 75.6627 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(138, 235, 216)` looks like.

```
.text, #text, p{  
    color:rgb(138, 235, 216)  
}
```

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(138, 235, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 235, 216) }
```

Border

The CSS property to change the border of an element to XYZ 52.5842, 69.7778, 75.6627 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(138, 235, 216) }
```


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

```
.border{ border-color:rgb(138, 235, 216) }
```

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

Here you see how a box with a 4 pixel rgb(138, 235, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 235, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 235, 216);  
box-shadow:4px 4px 4px 4px rgb(138, 235,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5842, 69.7778, 75.6627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 235, 216) }
```

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

```
.background{ background-color: rgb(138,  
235, 216) }
```

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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