

Converting Colors

XYZ(52.2022, 69.2778, 86.7283)

Have a look what the booklet for
XYZ(52.2022, 69.2778, 86.7283)
contains.

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Color

**XYZ(52.2999, 69.3804,
86.9792)**

Conversions

Conversions Part 1

Format	Color
Hex	7AEBE8
RGB	122, 235, 232
RGB Percent	48%, 92%, 91%
CMY	0.5215, 0.0784, 0.0902
CMYK	0.48, 0.00, 0.01, 0.08
HSL	178°, 74%, 70%
HSV	178°, 48%, 92%
XYZ	52.2999, 69.3804, 86.9792
YIQ	200.8710, -66.3850, -24.8890

Conversions

Conversions Part 2

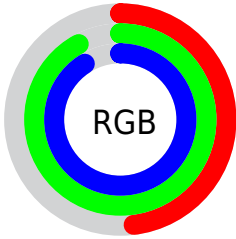
Format	Color
R_{YB}	122, 179, 235
Decimal	8055784
CIE _{Lab}	86.69, -32.91, -8.52
CIE _{LCh}	87, 33.999, 194.509
Yxy	69.3804, 0.2506, 0.3325
Android (android.graphics.Color)	4286245864 (0xFF7AEBE8)
YUV	200.8710, 15.3466, -69.1699
Hunter-Lab	83.2949, -33.6880, -3.6061

Details

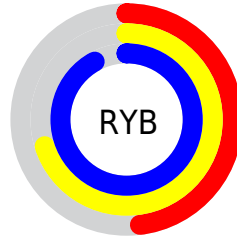
The XYZ color **52.2999, 69.3804, 86.9792** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.9246, 33.0641, 23.4188**, and the grayscale version is **55.3768, 58.2607, 63.4459**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **25.7602, 36.3046, 46.7241** is the 20% darker color. If you saturate the color by 10%, you get **49.2783, 67.8346, 86.3771**, and if you desaturate by 10%, it is **56.1304, 71.3465, 87.6238**.

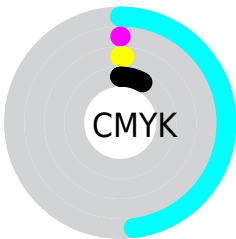
Distribution



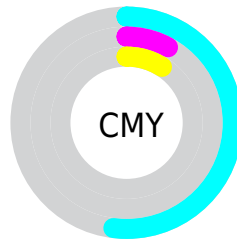
- Red (48%)
- Green (92%)
- Blue (91%)



- Red (48%)
- Yellow (70%)
- Blue (92%)



- Cyan (48%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)





- Cyan (52%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2999, 69.3804, 86.9792 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 52.2999, 69.3804, 86.9792 by changing the saturation by 10% instead.


 52.2999, 69.3804,
86.9792


 52.2999, 69.3804,
86.9792


385.8983,
458.3715, 538.4690

 37.4694, 51.0216,
64.9185


 92.7450, 118.3247,
145.0338

 25.7465, 36.2258,
46.9440


 119.0903,
149.6790, 181.8647

 16.7658, 24.6086,
32.6374

 150.0046,
186.1339, 224.4560

 10.1619, 15.7857,
21.5800

185.8532,
228.0739, 273.2264

 5.5695, 9.3726,
13.3532

227.0016,
275.8832, 328.5944

 2.6233, 4.9850,
7.5387

273.8149,

 0.9578, 2.2385,

329.9463, 390.9784

3.7177

326.6587,
390.6476, 460.7971

0.0000, 0.7409,
1.4718

0.0000, 0.0000,
0.1968

52.2999, 69.3804,
86.9792

52.2999, 69.3804,
86.9792

49.2783, 67.8346,
86.3771

56.1304, 71.3465,
87.6238

47.0004, 66.6704,
85.8100


60.8167, 73.7521,
88.3086


45.4012, 65.8562,
85.2762


66.4094, 76.6249,
89.0375


44.4018, 65.3511,
84.7722


72.9535, 79.9881,
89.8125


 43.8919, 65.0983,
84.2927


 80.4908, 83.8633,
90.6357

 43.8188, 65.0626,
84.2022

 86.0531, 86.7203,
91.3681

 86.1439, 86.7566,
91.8461

 86.2350, 86.7930,
92.3258

 86.3264, 86.8296,
92.8071

Harmonies

Analogous

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



52.3577, 69.3804, 64.5061



52.2999, 69.3804, 86.9792



55.6902, 69.3804, 110.3420

Triad

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



52.2999, 69.3804, 86.9792



77.1802, 69.3804, 111.0224



70.0863, 69.3804, 40.8875

Complementary

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



52.2999, 69.3804, 86.9792



44.9246, 33.0641, 23.4188

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.



77.3849, 69.3804, 48.9584



52.2999, 69.3804, 86.9792



81.6981, 69.3804, 87.7731

Square

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



52.2999, 69.3804, 86.9792



69.8247, 69.3804, 125.9918



81.7759, 69.3804, 65.1568



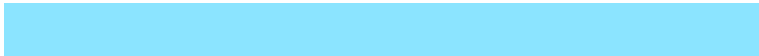
62.2098, 69.3804, 40.7594

Rectangle

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



52.2999, 69.3804, 86.9792



59.6181, 69.3804, 122.0281



81.7759, 69.3804, 65.1568



72.7022, 69.3804, 42.6766

Sweetspot

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



52.3020, 69.3831, 86.9808



82.9614, 93.7857, 107.5391



41.7932, 65.2424, 28.8045



17.4030, 19.8920, 22.9751



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.



52.3020, 69.3831, 86.9808



59.2592, 81.6215, 103.9564



39.8063, 43.7035, 84.9377



15.4994, 17.1146, 19.3126



24.3943, 36.2122, 46.9028



1.9210, 2.8457, 3.7119

Inverse Universe

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



44.9246, 33.0641, 23.4188



49.3790, 32.9446, 18.8038



53.0544, 49.6262, 25.1967



15.0817, 15.0605, 15.7155



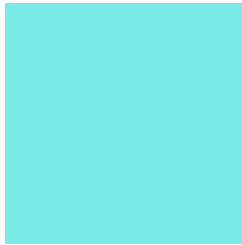
19.0941, 9.8403, 1.0311



1.5051, 0.7750, 0.1111

Previews

White Background



This preview shows how the XYZ color 52.2999, 69.3804, 86.9792 looks on a white background.

Color Contrast Check

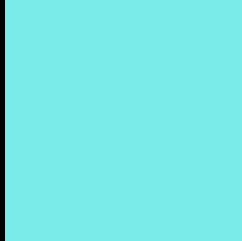
Large Text (above 18pt) WCAG AA × Fail

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 52.2999, 69.3804, 86.9792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

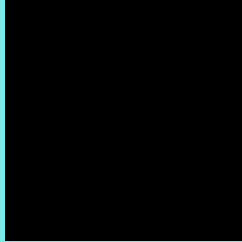
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2999, 69.3804, 86.9792

Background



This preview shows how black text looks on a background with the XYZ color 52.2999, 69.3804, 86.9792.

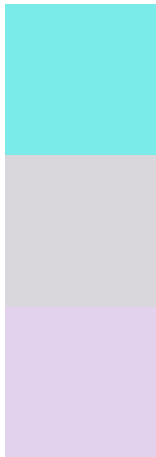


This preview shows how white text looks on a background with the XYZ color 52.2999, 69.3804,

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

52.2999, 69.3804, 86.9792

Protanopia

66.1321, 68.6736, 77.4799

Deuteranopia

70.0112, 68.5385, 89.6600



Tritanopia

55.1713, 69.2675, 101.7289

Trichromacy



Original Color

52.2999, 69.3804, 86.9792



Protanomaly

59.1043, 67.6917, 80.4717



Deuteranomaly

61.3132, 67.4800, 88.3907



Tritanomaly

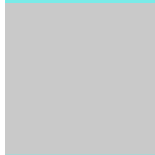
54.0722, 69.2451, 96.1037

Monochromacy



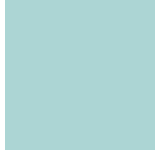
Original Color

52.2999, 69.3804, 86.9792



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.6912, 61.1126, 71.3062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2999, 69.3804, 86.9792 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(122, 235, 232)` looks like.

```
.text, #text, p{  
    color:rgb(122, 235, 232)  
}
```

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(122, 235, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 235, 232) }
```

Border

The CSS property to change the border of an element to XYZ 52.2999, 69.3804, 86.9792 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(122, 235, 232) }
```


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

```
.border{ border-color:rgb(122, 235, 232) }
```

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

Here you see how a box with a 4 pixel rgb(122, 235, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 235, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 235, 232);  
box-shadow:4px 4px 4px 4px rgb(122, 235,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2999, 69.3804, 86.9792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 235, 232) }
```

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

```
.background{ background-color: rgb(122,  
235, 232) }
```

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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