

Converting Colors

XYZ(52.4491, 68.5288, 72.5191)

Have a look what the booklet for
XYZ(52.4491, 68.5288, 72.5191)
contains.

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Color

**XYZ(52.4173, 68.4864,
72.7439)**

Conversions

Conversions Part 1

Format	Color
Hex	91E8D4
RGB	145, 232, 212
RGB Percent	57%, 91%, 83%
CMY	0.4314, 0.0902, 0.1686
CMYK	0.37, 0.00, 0.09, 0.09
HSL	166°, 65%, 74%
HSV	166°, 37%, 91%
XYZ	52.4173, 68.4864, 72.7439
YIQ	203.7070, -45.4320, -24.6640

Conversions

Conversions Part 2

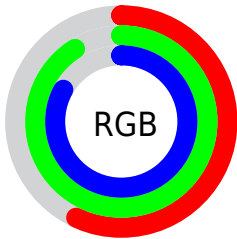
Format	Color
RYB	145, 194, 232
Decimal	9562324
CIELab	86.25, -30.70, 1.45
CIELCh	86, 30.733, 177.294
Yxy	68.4864, 0.2707, 0.3537
Android (android.graphics.Color)	4287752404 (0xFF91E8D4)
YUV	203.7070, 4.0884, -51.4860
Hunter-Lab	82.7565, -31.7634, 5.8130

Details

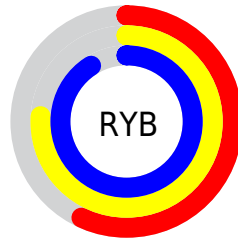
The XYZ color **52.4173, 68.4864, 72.7439** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.1979, 40.1250, 40.6990**, and the grayscale version is **57.2067, 60.1859, 65.5424**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **25.8276, 35.6586, 37.4198** is the 20% darker color. If you saturate the color by 10%, you get **48.0778, 66.3275, 69.0873**, and if you desaturate by 10%, it is **57.6177, 71.0900, 76.5598**.

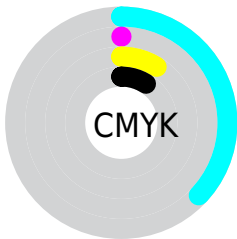
Distribution



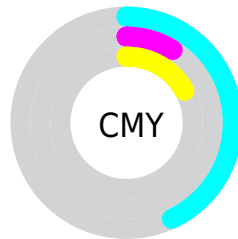
- Red (57%)
- Green (91%)
- Blue (83%)



- Red (57%)
- Yellow (76%)
- Blue (91%)



- Cyan (37%)
- Magenta (0%)
- Yellow (9%)
- Black (9%)





- Cyan (43%)
- Magenta (9%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4173, 68.4864, 72.7439 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 52.4173, 68.4864, 72.7439 by changing the saturation by 10% instead.


 52.4173, 68.4864,
72.7439


 52.4173, 68.4864,
72.7439


386.3431,
455.2174, 489.1737

 37.5634, 50.2935,
53.2760

 92.9170, 117.0477,
124.8311

 25.8197, 35.6467,
37.6339


 119.2935,
148.1849, 158.2875

 16.8208, 24.1615,
25.3991


150.2415,
184.4058, 197.2439

 10.2013, 15.4534,
16.1529

186.1265,
226.0946, 242.1188

 5.5959, 9.1382,
9.4769

227.3138,
273.6357, 293.3306

 2.6393, 4.8315,
4.9525


274.1688,

 0.9660, 2.1487,


327.4137, 351.2980


2.1612


327.0568,
387.8128, 416.4395

 0.0000, 0.6918,
0.6518


 0.0000, 0.0000,
0.0000

 52.4173, 68.4864,
72.7439

 52.4173, 68.4864,
72.7439


 48.0778, 66.3275,
69.0873


 57.6177, 71.0900,
76.5598


 44.5419, 64.5787,
65.5817


 63.7201, 74.1543,
80.5336


 41.7547, 63.2132,
62.2251


 70.7701, 77.7045,
84.6700


 39.6516, 62.1979,
59.0131

 78.8084, 81.7614,
88.9719


 38.1565, 61.4936,
55.9412

 85.6293, 85.1882,
93.3372


 37.1684, 61.0482,
53.0033

 86.4278, 85.5076,
97.5419

 36.9606, 60.9567,
52.2878

 87.2497, 85.8364,
101.8701

 88.0953, 86.1746,
106.3229

 88.1478, 86.1956,
106.5993

Harmonies

Analogous

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



54.2949, 68.4864, 55.4199



52.4173, 68.4864, 72.7439



53.7272, 68.4864, 93.9214

Triad

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



52.4173, 68.4864, 72.7439



71.5405, 68.4864, 114.8745



72.7330, 68.4864, 46.3320

Complementary

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



52.4173, 68.4864, 72.7439



50.1979, 40.1250, 40.6990

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.



77.9612, 68.4864, 58.0780



52.4173, 68.4864, 72.7439



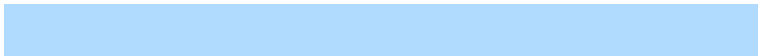
77.2384, 68.4864, 97.6901

Square

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



52.4173, 68.4864, 72.7439



64.4535, 68.4864, 120.7040



79.6662, 68.4864, 76.4265



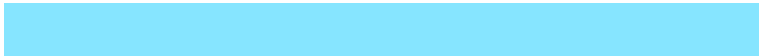
65.7393, 68.4864, 42.0037

Rectangle

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



52.4173, 68.4864, 72.7439



56.2882, 68.4864, 107.0570



79.6662, 68.4864, 76.4265



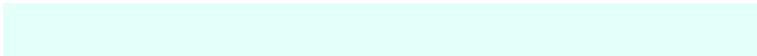
74.7740, 68.4864, 49.4259

Sweetspot

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



52.4192, 68.4892, 72.7455



84.4517, 94.6543, 103.0749



49.5490, 67.7919, 37.2629



17.8187, 20.1303, 21.9123



0.0000, 0.0000, 0.0000



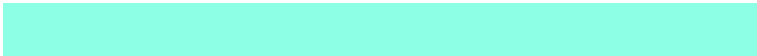
20.3446, 21.4041, 23.3091

Same Dimension

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



52.4192, 68.4892, 72.7455



60.7069, 82.7530, 86.6227



48.9960, 57.3512, 84.8346



14.6582, 16.2767, 17.7310



20.5686, 33.8595, 29.2922



1.5546, 2.5160, 2.3471

Inverse Universe

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



50.1979, 40.1250, 40.6990



57.5957, 42.8657, 41.6194



52.4313, 47.2813, 33.1520



14.5121, 14.4220, 15.6309



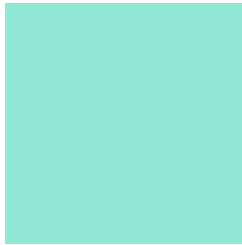
18.8760, 9.6846, 2.9758



1.4299, 0.7297, 0.4046

Previews

White Background



This preview shows how the XYZ color 52.4173, 68.4864, 72.7439 looks on a white background.

Color Contrast Check

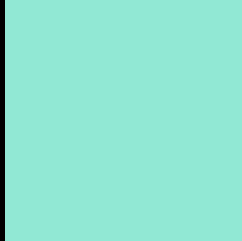
Large Text (above 18pt) WCAG AA × Fail

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 52.4173, 68.4864, 72.7439 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

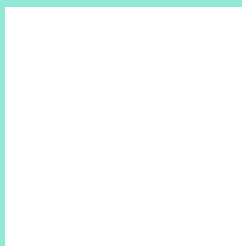
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.4173, 68.4864, 72.7439

Background



This preview shows how black text looks on a background with the XYZ color 52.4173, 68.4864, 72.7439.



This preview shows how white text looks on a background with the XYZ color 52.4173, 68.4864,

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

52.4173, 68.4864, 72.7439

Protanopia

64.8314, 67.8870, 65.5636

Deuteranopia

69.0119, 67.6139, 75.0591



Tritanopia

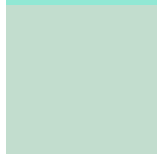
57.0874, 68.3030, 96.5612

Trichromacy



Original Color

52.4173, 68.4864, 72.7439



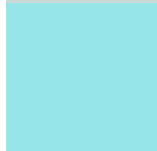
Protanomaly

59.2452, 67.6385, 68.3255



Deuteranomaly

61.4357, 67.0886, 74.0014



Tritanomaly

55.3050, 68.4058, 87.3796

Monochromacy



Original Color

52.4173, 68.4864, 72.7439



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.8375, 62.6654, 68.2369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4173, 68.4864, 72.7439 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(145, 232, 212)` looks like.

```
.text, #text, p{  
    color:rgb(145, 232, 212)  
}
```

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(145, 232, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 232, 212) }
```

Border

The CSS property to change the border of an element to XYZ 52.4173, 68.4864, 72.7439 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(145, 232, 212) }
```


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

```
.border{ border-color:rgb(145, 232, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 232, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 232, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 232, 212);  
box-shadow:4px 4px 4px 4px rgb(145, 232,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4173, 68.4864, 72.7439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 232, 212) }
```

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

```
.background{ background-color: rgb(145,  
232, 212) }
```

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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