

Converting Colors

XYZ(50.9917, 72.3755,
103.3622)

Have a look what the booklet for
XYZ(50.9917, 72.3755, 103.3622)
contains.

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Color

**XYZ(50.9176, 72.2432,
103.3562)**

Conversions

Conversions Part 1

Format	Color
Hex	2BF4FC
RGB	43, 244, 252
RGB Percent	17%, 96%, 99%
CMY	0.8313, 0.0431, 0.0118
CMYK	0.83, 0.03, 0.00, 0.01
HSL	182°, 97%, 58%
HSV	182°, 83%, 99%
XYZ	50.9176, 72.2432, 103.3562
YIQ	184.8130, -122.3640, -40.1240

Conversions

Conversions Part 2

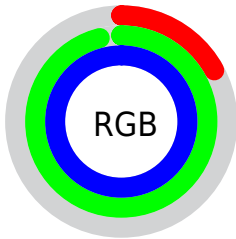
Format	Color
R _Y B	43, 145, 252
Decimal	2880764
CIE Lab	88.09, -42.56, -17.10
CIE LCh	88, 45.869, 201.887
Yxy	72.2432, 0.2248, 0.3189
Android (android.graphics.Color)	4281070844 (0xFF2BF4FC)
YUV	184.8130, 33.1232, -124.3700
Hunter-Lab	84.9960, -41.8110, -12.6002

Details

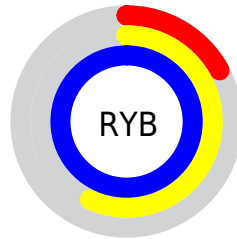
The XYZ color **50.9176, 72.2432, 103.3562** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.7666, 23.2397, 4.5719**, and the grayscale version is **45.8851, 48.2747, 52.5711**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **27.6207, 39.4808, 57.7946** is the 20% darker color. If you saturate the color by 10%, you get **49.8793, 71.2798, 103.2263**, and if you desaturate by 10%, it is **52.6130, 73.5507, 103.5206**.

Distribution



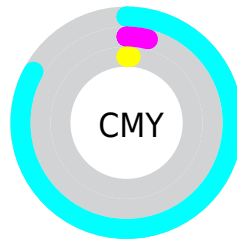
- Red (17%)
- Green (96%)
- Blue (99%)



- Red (17%)
- Yellow (57%)
- Blue (99%)



- Cyan (83%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)





- Cyan (83%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9176, 72.2432, 103.3562 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 50.9176, 72.2432, 103.3562 by changing the saturation by 10% instead.


 50.9176, 72.2432,
103.3562

 50.9176, 72.2432,
103.3562


380.6365,
468.3876, 592.2385


 36.3638, 53.3574,
78.4739


 90.7167, 122.4022,
167.8537


 24.8867, 38.0881,
57.9446


 116.6927,
154.4442, 208.3061

 16.1210, 26.0511,
41.3497


 147.2068,
191.6404, 254.7856

 9.7012, 16.8619,
28.2707

 182.6244,
234.3751, 307.7107

 5.2620, 10.1361,
18.2890

223.3108,
283.0328, 367.5000

 2.4381, 5.4893,
10.9861

269.6314,

 0.8642, 2.5371,

337.9979, 434.5721

5.9434

321.9515,
399.6547, 509.3454

■ 0.0000, 0.8951,
2.7425

■ 0.0000, 0.0000,
0.9647

■ 50.9176, 72.2432,
103.3562

■ 50.9176, 72.2432,
103.3562

■ 49.8793, 71.2798,
103.2263

■ 52.6130, 73.5507,
103.5206

■ 49.4294, 70.7453,
103.1469

■ 55.0632, 75.2480,
103.7190

■ 58.3561, 77.3821,
103.9574

■ 62.5663, 79.9912,
104.2391

67.7598, 83.1096,
104.5673

73.9967, 86.7681,
104.9447

81.3323, 90.9953,
105.3740

89.8179, 95.8177,
105.8576

93.8365, 98.3394,
106.1325

Harmonies

Analogous

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



49.8540, 72.2432, 70.4520



50.9176, 72.2432, 103.3562



56.4690, 72.2432, 136.3015

Triad

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



50.9176, 72.2432, 103.3562



86.6044, 72.2432, 122.0705



71.6802, 72.2432, 32.7828

Complementary

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



50.9176, 72.2432, 103.3562



41.7666, 23.2397, 4.5719

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.



82.5015, 72.2432, 40.1075



50.9176, 72.2432, 103.3562



91.6967, 72.2432, 87.4831

Square

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



50.9176, 72.2432, 103.3562



76.8192, 72.2432, 148.9536



90.1204, 72.2432, 58.2498



61.1093, 72.2432, 34.9165

Rectangle

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



50.9176, 72.2432, 103.3562



62.3234, 72.2432, 151.0432



90.1204, 72.2432, 58.2498



75.4228, 72.2432, 34.1317

Sweetspot

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



50.9198, 72.2459, 103.3579



74.5854, 88.3019, 107.7207



36.3835, 70.3661, 14.6806



15.4728, 18.6125, 23.0270



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.



50.9198, 72.2459, 103.3579



50.7752, 72.6704, 105.9584



28.0261, 26.4584, 95.7267



17.7055, 19.4879, 22.2137



25.7740, 36.9036, 53.7382



2.4044, 3.4524, 4.9828

Inverse Universe

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



57.3398, 28.9569, 88.1578



57.7582, 27.8673, 88.9135



52.2165, 44.1395, 8.0552



17.9627, 17.5124, 21.6591



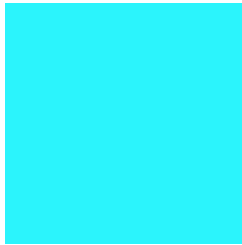
29.3015, 14.1363, 45.1579



2.7225, 1.3128, 4.2282

Previews

White Background



This preview shows how the XYZ color 50.9176, 72.2432, 103.3562 looks on a white background.

Color Contrast Check

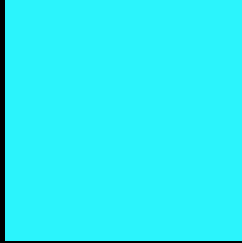
Large Text (above 18pt) WCAG AA × Fail

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 50.9176, 72.2432, 103.3562 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 50.9176, 72.2432, 103.3562

Background



This preview shows how black text looks on a background with the XYZ color 50.9176, 72.2432, 103.3562.

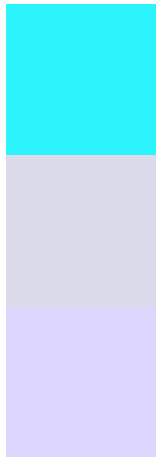


This preview shows how white text looks on a background with the XYZ color 50.9176, 72.2432,

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

50.9176, 72.2432, 103.3562

Protanopia

68.9802, 71.0464, 88.6749

Deuteranopia

71.9154, 70.6853, 104.4610



Tritanopia

54.9312, 71.6203, 105.5367

Trichromacy



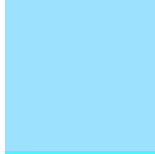
Original Color

50.9176, 72.2432, 103.3562



Protanomaly

56.6727, 68.1591, 93.3881



Deuteranomaly

58.5249, 68.0741, 103.8210



Tritanomaly

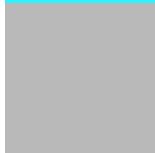
52.7958, 71.4072, 104.7663

Monochromacy



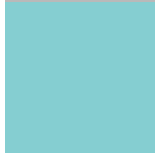
Original Color

50.9176, 72.2432, 103.3562



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.2528, 53.7326, 68.4134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9176, 72.2432, 103.3562 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(43, 244, 252)` looks like.

```
.text, #text, p{  
    color:rgb(43, 244, 252)  
}
```

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(43, 244, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 244, 252) }
```

Border

The CSS property to change the border of an element to XYZ 50.9176, 72.2432, 103.3562 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(43, 244, 252) }
```


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

```
.border{ border-color:rgb(43, 244, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 244, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 244, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 244, 252);  
box-shadow:4px 4px 4px 4px rgb(43, 244,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9176, 72.2432, 103.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 244, 252) }
```

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

```
.background{ background-color: rgb(43, 244,  
252) }
```

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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