

Converting Colors

XYZ(50.4895, 72.6748,
100.3325)

Have a look what the booklet for
XYZ(50.4895, 72.6748, 100.3325)
contains.

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Color

**XYZ(50.3586, 72.4754,
100.1419)**

Conversions

Conversions Part 1

Format	Color
Hex	25F5F8
RGB	37, 245, 248
RGB Percent	15%, 96%, 97%
CMY	0.8548, 0.0392, 0.0274
CMYK	0.85, 0.01, 0.00, 0.03
HSL	181°, 94%, 56%
HSV	181°, 85%, 97%
XYZ	50.3586, 72.4754, 100.1419
YIQ	183.1500, -124.9310, -43.1630

Conversions

Conversions Part 2

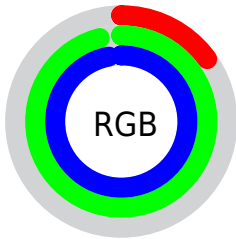
Format	Color
R _Y B	37, 142, 248
Decimal	2487800
CIE Lab	88.20, -44.53, -14.85
CIE LCh	88, 46.945, 198.439
Yxy	72.4754, 0.2258, 0.3250
Android (android.graphics.Color)	4280677880 (0xFF25F5F8)
YUV	183.1500, 31.9711, -128.1735
Hunter-Lab	85.1325, -43.3934, -10.1505

Details

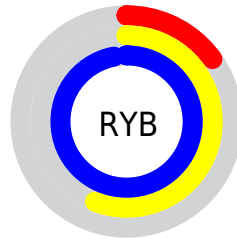
The XYZ color **50.3586, 72.4754, 100.1419** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **39.8058, 21.6096, 3.8253**, and the grayscale version is **44.9760, 47.3183, 51.5296**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **27.4976, 39.7722, 56.0967** is the 20% darker color. If you saturate the color by 10%, you get **49.6452, 71.9511, 100.0796**, and if you desaturate by 10%, it is **51.6793, 73.3163, 100.2359**.

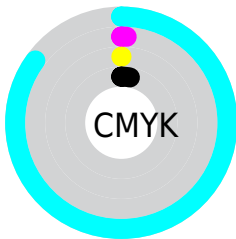
Distribution



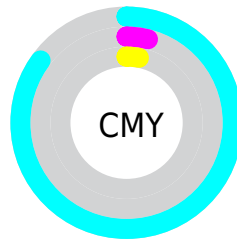
- Red (15%)
- Green (96%)
- Blue (97%)



- Red (15%)
- Yellow (56%)
- Blue (97%)



- Cyan (85%)
- Magenta (1%)
- Yellow (0%)
- Black (3%)



- Cyan (85%)
- Magenta (4%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3586, 72.4754, 100.1419 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 50.3586, 72.4754, 100.1419 by changing the saturation by 10% instead.

50.3586, 72.4754,
100.1419

50.3586, 72.4754,
100.1419

378.4955,
469.1946, 581.8981

35.9174, 53.5471,
75.8015

89.8946, 122.7322,
163.4057

24.5402, 38.2397,
55.7641

115.7201,
154.8295, 203.1663

15.8617, 26.1688,
39.6111

146.0711,
192.0852, 248.9039

9.5166, 16.9500,
26.9240

181.3129,
234.8838, 301.0373

5.1394, 10.1988,
17.2842

221.8109,
283.6097, 359.9848

2.3649, 5.5310,
10.2732

267.9304,

0.8276, 2.5620,

338.6471, 426.1651

5.4725

320.0368,
400.3807, 499.9967

■ 0.0000, 0.9076,
2.4635

■ 0.0000, 0.0000,
0.8207

■ 50.3586, 72.4754,
100.1419

■ 50.3586, 72.4754,
100.1419

■ 49.6452, 71.9511,
100.0796

■ 51.6793, 73.3163,
100.2359

■ 49.4380, 71.7664,
100.0549


■ 53.7062, 74.5199,
100.3614


■ 56.5269, 76.1331,
100.5241


■ 60.2151, 78.1937,
100.7275

 64.8357, 80.7354,
100.9746

 70.4477, 83.7884,
101.2681

 77.1052, 87.3807,
101.6106

 84.8582, 91.5381,
102.0044

 91.8049, 95.2801,
102.3605

Harmonies

Analogous

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



49.8163, 72.4754, 67.1531



50.3586, 72.4754, 100.1419



55.5260, 72.4754, 134.8429

Triad

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



50.3586, 72.4754, 100.1419



86.3455, 72.4754, 127.4807



73.3061, 72.4754, 32.4976

Complementary

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



50.3586, 72.4754, 100.1419



39.8058, 21.6096, 3.8253

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.



84.2328, 72.4754, 41.0853



50.3586, 72.4754, 100.1419



92.2894, 72.4754, 91.9723

Square

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



50.3586, 72.4754, 100.1419



75.9462, 72.4754, 153.3512



91.4767, 72.4754, 60.9193



62.2769, 72.4754, 33.5724

Rectangle

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



50.3586, 72.4754, 100.1419



61.2485, 72.4754, 151.5628



91.4767, 72.4754, 60.9193



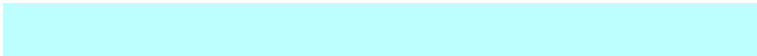
77.1327, 72.4754, 34.2288

Sweetspot

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



50.3608, 72.4781, 100.1436



74.4221, 88.9208, 107.8487



34.6660, 67.6633, 12.9855



15.4670, 18.7817, 23.0600



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.



50.3608, 72.4781, 100.1436



52.6648, 76.4497, 106.5883



27.4569, 26.6702, 92.5090



17.7435, 19.5637, 22.2263



26.7156, 38.7867, 54.0521



2.4809, 3.6055, 5.0084

Inverse Universe

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



55.8563, 27.8742, 88.8253



58.7120, 28.2488, 93.9361



48.7958, 39.5895, 6.8220



17.9818, 17.5201, 21.7599



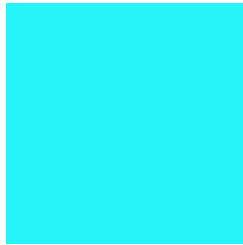
29.7768, 14.3264, 47.6605



2.7612, 1.3282, 4.4317

Previews

White Background



This preview shows how the XYZ color 50.3586, 72.4754, 100.1419 looks on a white background.

Color Contrast Check

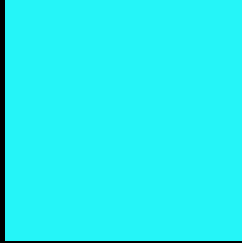
Large Text (above 18pt) WCAG AA × Fail

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 50.3586, 72.4754, 100.1419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

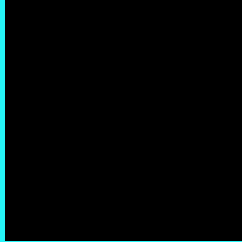
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

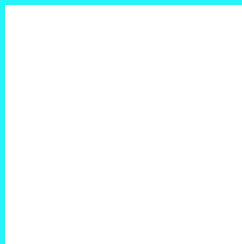
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.3586, 72.4754, 100.1419

Background



This preview shows how black text looks on a background with the XYZ color 50.3586, 72.4754, 100.1419.

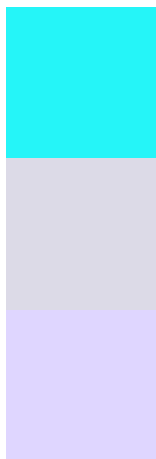


This preview shows how white text looks on a background with the XYZ color 50.3586, 72.4754,

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

50.3586, 72.4754, 100.1419

Protanopia

69.0104, 71.1280, 85.6931

Deuteranopia

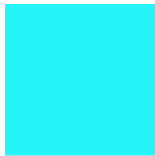
72.5280, 71.0011, 104.4897



Tritanopia

55.4720, 72.3325, 105.6456

Trichromacy



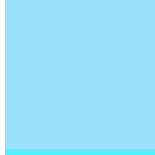
Original Color

50.3586, 72.4754, 100.1419



Protanomaly

56.1663, 68.3735, 90.3579



Deuteranomaly

58.0135, 67.8473, 102.1337



Tritanomaly

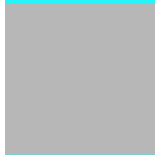
52.6821, 71.8237, 103.1822

Monochromacy



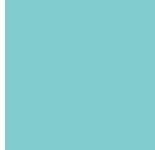
Original Color

50.3586, 72.4754, 100.1419



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.5397, 53.3934, 67.0954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3586, 72.4754, 100.1419 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(37, 245, 248)` looks like.

```
.text, #text, p{  
    color:rgb(37, 245, 248)  
}
```

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(37, 245, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 245, 248) }
```

Border

The CSS property to change the border of an element to XYZ 50.3586, 72.4754, 100.1419 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(37, 245, 248) }
```


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

```
.border{ border-color:rgb(37, 245, 248) }
```

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

Here you see how a box with a 4 pixel rgb(37, 245, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 245, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 245, 248);  
box-shadow:4px 4px 4px 4px rgb(37, 245,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3586, 72.4754, 100.1419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 245, 248) }
```

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

```
.background{ background-color: rgb(37, 245,  
248) }
```

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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