

Converting Colors

XYZ(50.0190, 73.3598, 93.3288)

Have a look what the booklet for
XYZ(50.0190, 73.3598, 93.3288)
contains.

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Color

**XYZ(50.0130, 73.3579,
93.1849)**

Conversions

Conversions Part 1

Format	Color
Hex	2FF7EF
RGB	47, 247, 239
RGB Percent	18%, 97%, 94%
CMY	0.8156, 0.0314, 0.0627
CMYK	0.81, 0.00, 0.03, 0.03
HSL	178°, 93%, 58%
HSV	178°, 81%, 97%
XYZ	50.0130, 73.3579, 93.1849
YIQ	186.2880, -116.6320, -44.8880

Conversions

Conversions Part 2

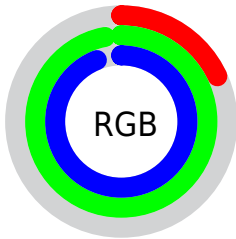
Format	Color
R _Y B	47, 149, 247
Decimal	3143663
CIE Lab	88.62, -47.28, -9.51
CIE LCh	89, 48.225, 191.373
Yxy	73.3579, 0.2309, 0.3387
Android (android.graphics.Color)	4281333743 (0xFF2FF7EF)
YUV	186.2880, 25.9870, -122.1556
Hunter-Lab	85.6492, -45.6550, -4.5521

Details

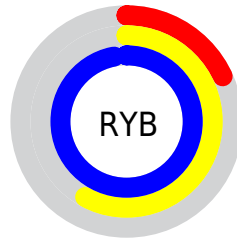
The XYZ color **50.0130, 73.3579, 93.1849** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **40.0663, 22.0851, 5.7678**, and the grayscale version is **46.7428, 49.1770, 53.5538**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **26.9607, 40.2458, 51.1470** is the 20% darker color. If you saturate the color by 10%, you get **49.0344, 72.8719, 92.3806**, and if you desaturate by 10%, it is **51.6400, 74.1814, 94.0271**.

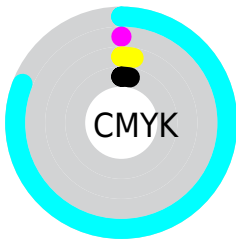
Distribution



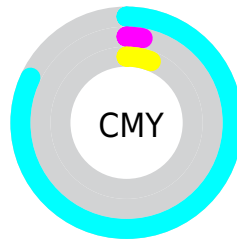
- Red (18%)
- Green (97%)
- Blue (94%)



- Red (18%)
- Yellow (58%)
- Blue (97%)



- Cyan (81%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)



- Cyan (82%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0130, 73.3579, 93.1849 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 50.0130, 73.3579, 93.1849 by changing the saturation by 10% instead.

50.0130, 73.3579,
93.1849

50.0130, 73.3579,
93.1849

377.1679,
472.2543, 559.1729

35.6416, 54.2687,
70.0367

89.3858, 123.9852,
153.7285

24.3263, 38.8165,
51.0794

115.1180,
156.2920, 191.9609

15.7019, 26.6170,
35.8947

145.3677,
193.7734, 236.0586

9.4030, 17.2858,
24.0638

180.5004,
236.8139, 286.4399

5.0642, 10.4385,
15.1683

220.8814,
285.7979, 343.5234

2.3201, 5.6906,
8.7897

266.8761,

0.8049, 2.6579,

341.1097, 407.7277

4.5093

318.8498,
403.1337, 479.4714

■ 0.0000, 0.9559,
1.9087

■ 0.0000, 0.0000,
0.4983

■ 50.0130, 73.3579,
93.1849

■ 50.0130, 73.3579,
93.1849

■ 49.0344, 72.8719,
92.3806


■ 51.6400, 74.1814,
94.0271


■ 48.5656, 72.6453,
91.6754

■ 54.0037, 75.3829,
94.9062


■ 57.1855, 77.0061,
95.8279


■ 61.2544, 79.0865,
96.7952

 66.2722, 81.6559,
97.8111

 72.2950, 84.7434,
98.8783

 79.3747, 88.3757,
99.9992

 87.5596, 92.5776,
101.1759

 91.4292, 94.5547,
102.1550

Harmonies

Analogous

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



50.6023, 73.3579, 61.1090



50.0130, 73.3579, 93.1849



54.2489, 73.3579, 130.1415

Triad

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



50.0130, 73.3579, 93.1849



85.5795, 73.3579, 138.2409



77.1164, 73.3579, 33.2472

Complementary

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



50.0130, 73.3579, 93.1849



40.0663, 22.0851, 5.7678

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.



87.8944, 73.3579, 44.5722



50.0130, 73.3579, 93.1849



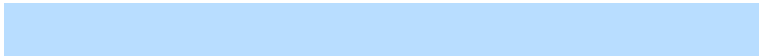
93.1430, 73.3579, 102.1346

Square

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



50.0130, 73.3579, 93.1849



74.2292, 73.3579, 160.5817



94.0345, 73.3579, 67.8957



65.4058, 73.3579, 32.0912

Rectangle

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



50.0130, 73.3579, 93.1849



59.5467, 73.3579, 150.3362



94.0345, 73.3579, 67.8957



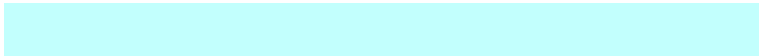
81.0005, 73.3579, 35.8053

Sweetspot

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



50.0152, 73.3607, 93.1867



75.6150, 90.0262, 105.9456



35.4635, 67.5995, 13.8699



15.6890, 19.0152, 22.5890



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.



50.0152, 73.3607, 93.1867



52.3529, 78.1682, 98.7973



30.0206, 31.4374, 92.4845



16.9664, 18.7457, 21.1073



25.6971, 38.4237, 48.5519



2.2673, 3.3806, 4.3134

Inverse Universe

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



40.0663, 22.0851, 5.7678



41.4285, 21.4683, 2.5133



47.8197, 37.8745, 7.4811



16.5260, 16.4933, 17.2505



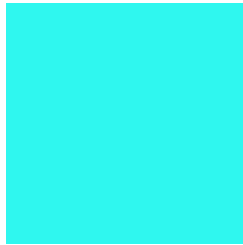
20.3270, 10.4742, 1.1643



1.7958, 0.9243, 0.1511

Previews

White Background



This preview shows how the XYZ color 50.0130, 73.3579, 93.1849 looks on a white background.

Color Contrast Check

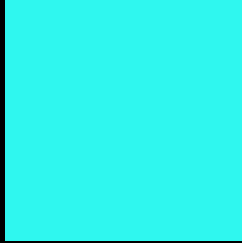
Large Text (above 18pt) WCAG AA × Fail

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 50.0130, 73.3579, 93.1849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

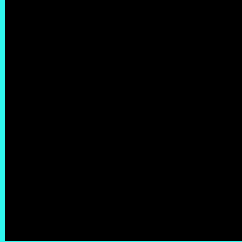
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

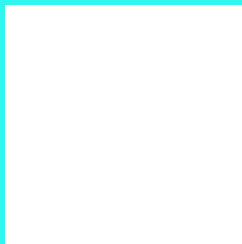
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0130, 73.3579, 93.1849

Background



This preview shows how black text looks on a background with the XYZ color 50.0130, 73.3579, 93.1849.

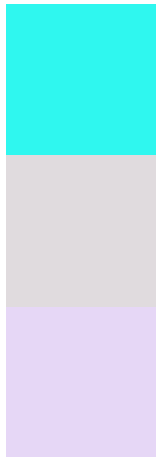


This preview shows how white text looks on a background with the XYZ color 50.0130, 73.3579,

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

50.0130, 73.3579, 93.1849

Protanopia

69.2568, 71.7843, 79.3128

Deuteranopia

73.5681, 72.0777, 97.2237



Tritanopia

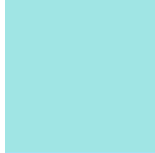
56.8017, 73.0180, 105.7079

Trichromacy



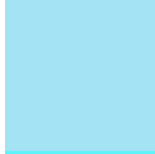
Original Color

50.0130, 73.3579, 93.1849



Protanomaly

56.5201, 69.1136, 83.7601



Deuteranomaly

58.7510, 69.1958, 95.0536



Tritanomaly

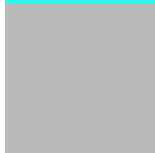
53.4671, 72.7235, 100.8416

Monochromacy



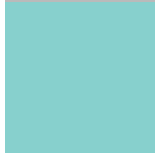
Original Color

50.0130, 73.3579, 93.1849



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.5670, 54.6704, 66.0138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0130, 73.3579, 93.1849 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(47, 247, 239)` looks like.

```
.text, #text, p{  
    color:rgb(47, 247, 239)  
}
```

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(47, 247, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 247, 239) }
```

Border

The CSS property to change the border of an element to XYZ 50.0130, 73.3579, 93.1849 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(47, 247, 239) }
```


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

```
.border{ border-color:rgb(47, 247, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 247, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 247, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 247, 239);  
box-shadow:4px 4px 4px 4px rgb(47, 247,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0130, 73.3579, 93.1849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 247, 239) }
```

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

```
.background{ background-color: rgb(47, 247,  
239) }
```

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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