

Converting Colors

XYZ(51.8121, 73.5100,
100.4240)

Have a look what the booklet for
XYZ(51.8121, 73.5100, 100.4240)
contains.

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Color

**XYZ(51.8857, 73.7130,
100.3003)**

Conversions

Conversions Part 1

Format	Color
Hex	3EF6F8
RGB	62, 246, 248
RGB Percent	24%, 96%, 97%
CMY	0.7568, 0.0353, 0.0274
CMYK	0.75, 0.01, 0.00, 0.03
HSL	181°, 93%, 61%
HSV	181°, 75%, 97%
XYZ	51.8857, 73.7130, 100.3003
YIQ	191.2120, -110.3060, -38.3860

Conversions

Conversions Part 2

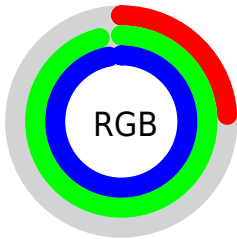
Format	Color
RYB	62, 154, 248
Decimal	4126456
CIELab	88.79, -43.03, -13.93
CIELCh	89, 45.228, 197.944
Yxy	73.7130, 0.2297, 0.3263
Android (android.graphics.Color)	4282316536 (0xFF3EF6F8)
YUV	191.2120, 27.9965, -113.3189
Hunter-Lab	85.8563, -42.3752, -9.1653

Details

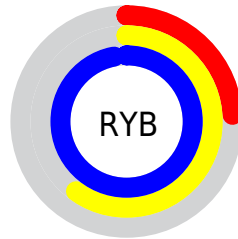
The XYZ color **51.8857, 73.7130, 100.3003** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.4160, 23.9730, 7.0039**, and the grayscale version is **49.5362, 52.1159, 56.7542**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **27.7120, 40.2010, 56.1682** is the 20% darker color. If you saturate the color by 10%, you get **50.5901, 72.9265, 100.2181**, and if you desaturate by 10%, it is **53.8947, 74.8707, 100.4192**.

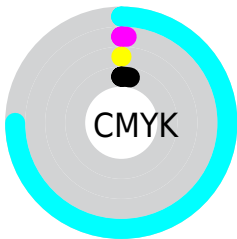
Distribution



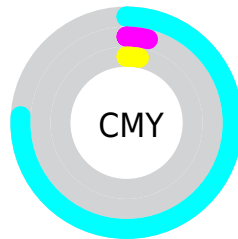
- Red (24%)
- Green (96%)
- Blue (97%)



- Red (24%)
- Yellow (60%)
- Blue (97%)



- Cyan (75%)
- Magenta (1%)
- Yellow (0%)
- Black (3%)





- Cyan (76%)
- Magenta (4%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8857, 73.7130, 100.3003 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 51.8857, 73.7130, 100.3003 by changing the saturation by 10% instead.


 51.8857, 73.7130,
100.3003


 51.8857, 73.7130,
100.3003


384.3264,
473.4822, 582.4099

 37.1379, 54.5592,
75.9331


 92.1379, 124.4889,
163.6253

 25.4884, 39.0489,
55.8713


 118.3729,
156.8797, 203.4201

 16.5720, 26.7978,
39.6964


 149.1678,
194.4517, 249.1946

 10.0232, 17.4214,
26.9900

 184.8878,
237.5892, 301.3672

 5.4767, 10.5354,
17.3333

225.8983,
286.6766, 360.3565

 2.5672, 5.7554,
10.3080

272.5647,

 0.9293, 2.6969,

342.0983, 426.5810

5.4953

325.2522,
404.2387, 500.4593

■ 0.0000, 0.9756,
2.4770

■ 0.0000, 0.0000,
0.8279

■ 51.8857, 73.7130,
100.3003

■ 51.8857, 73.7130,
100.3003

■ 50.5901, 72.9265,
100.2181

■ 53.8947, 74.8707,
100.4192

■ 49.8960, 72.4486,
100.1625


■ 56.6959, 76.4353,
100.5736


■ 49.6981, 72.2866,
100.1416

■ 60.3650, 78.4475,
100.7686


■ 64.9669, 80.9408,
101.0073

 70.5606, 83.9456,
101.2925

 77.2000, 87.4896,
101.6266

 84.9353, 91.5987,
102.0120

 91.7925, 95.2553,
102.3564

 91.8745, 95.4193,
102.3838

Harmonies

Analogous

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



51.4291, 73.7130, 68.3176



51.8857, 73.7130, 100.3003



56.8880, 73.7130, 133.8499

Triad

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



51.8857, 73.7130, 100.3003



86.8798, 73.7130, 127.7873



74.5507, 73.7130, 34.5671

Complementary

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



51.8857, 73.7130, 100.3003



41.4160, 23.9730, 7.0039

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.



85.1273, 73.7130, 43.3093



51.8857, 73.7130, 100.3003



92.7261, 73.7130, 93.5209

Square

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



51.8857, 73.7130, 100.3003



76.7483, 73.7130, 152.3475



92.0533, 73.7130, 63.0860



63.7758, 73.7130, 35.4890

Rectangle

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



51.8857, 73.7130, 100.3003



62.4520, 73.7130, 150.0907



92.0533, 73.7130, 63.0860



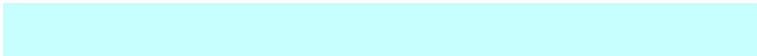
78.2664, 73.7130, 36.3546

Sweetspot

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



51.8879, 73.7158, 100.3021



77.1447, 90.4845, 108.0070



36.4254, 68.5084, 15.8632



16.1235, 19.1595, 23.0983



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.



51.8879, 73.7158, 100.3021



53.4418, 77.3901, 106.7288



30.6538, 31.2475, 93.2240



17.7489, 19.5747, 22.2281



26.8538, 39.0631, 54.0981



2.4921, 3.6279, 5.0121

Inverse Universe

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



57.0705, 30.0577, 89.9854



59.2539, 29.0390, 95.0222



51.3046, 43.7502, 10.3001



17.9846, 17.5212, 21.7744



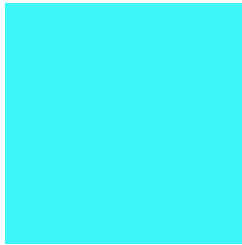
29.8466, 14.3543, 48.0278



2.7668, 1.3305, 4.4615

Previews

White Background



This preview shows how the XYZ color 51.8857, 73.7130, 100.3003 looks on a white background.

Color Contrast Check

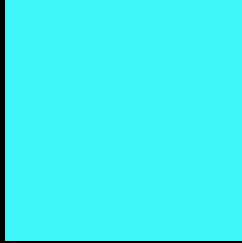
Large Text (above 18pt) WCAG AA × Fail

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 51.8857, 73.7130, 100.3003 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

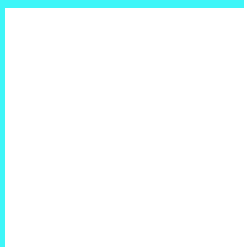
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8857, 73.7130, 100.3003

Background



This preview shows how black text looks on a background with the XYZ color 51.8857, 73.7130, 100.3003.

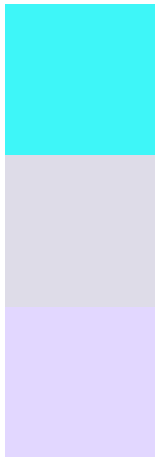


This preview shows how white text looks on a background with the XYZ color 51.8857, 73.7130,

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

51.8857, 73.7130, 100.3003

Protanopia

70.2829, 72.5422, 86.6417

Deuteranopia

73.7145, 71.9896, 104.6180



Tritanopia

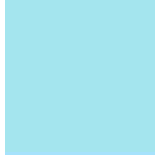
57.3739, 73.3130, 105.7346

Trichromacy



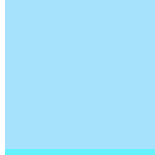
Original Color

51.8857, 73.7130, 100.3003



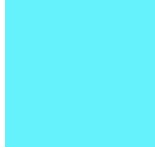
Protanomaly

58.7618, 70.1042, 91.3233



Deuteranomaly

60.4929, 69.5280, 102.3274



Tritanomaly

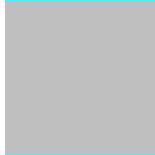
54.8023, 73.3573, 103.3665

Monochromacy



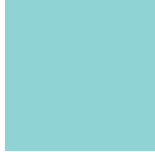
Original Color

51.8857, 73.7130, 100.3003



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.6795, 57.2713, 70.8815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8857, 73.7130, 100.3003 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(62, 246, 248)` looks like.

```
.text, #text, p{  
    color:rgb(62, 246, 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(62, 246, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 246, 248) }
```

Border

The CSS property to change the border of an element to XYZ 51.8857, 73.7130, 100.3003 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(62, 246, 248) }
```


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

```
.border{ border-color:rgb(62, 246, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 246, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 246, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 246, 248);  
box-shadow:4px 4px 4px 4px rgb(62, 246,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8857, 73.7130, 100.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 246, 248) }
```

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

```
.background{ background-color: rgb(62, 246,  
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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