

Converting Colors

XYZ(53.1869, 71.2256, 83.5734)

Have a look what the booklet for
XYZ(53.1869, 71.2256, 83.5734)
contains.

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Color

**XYZ(53.1921, 71.2071,
83.6139)**

Conversions

Conversions Part 1

Format	Color
Hex	7FEEE3
RGB	127, 238, 227
RGB Percent	50%, 93%, 89%
CMY	0.5019, 0.0667, 0.1098
CMYK	0.47, 0.00, 0.05, 0.07
HSL	174°, 77%, 72%
HSV	174°, 47%, 93%
XYZ	53.1921, 71.2071, 83.6139
YIQ	203.5570, -62.6250, -26.9530

Conversions

Conversions Part 2

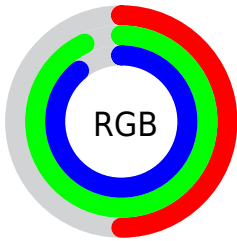
Format	Color
RYB	127, 185, 238
Decimal	8384227
CIELab	87.59, -34.45, -4.55
CIELCh	88, 34.749, 187.528
Yxy	71.2071, 0.2557, 0.3423
Android (android.graphics.Color)	4286574307 (0xFF7FEEE3)
YUV	203.5570, 11.5574, -67.1405
Hunter-Lab	84.3843, -35.1541, 0.3203

Details

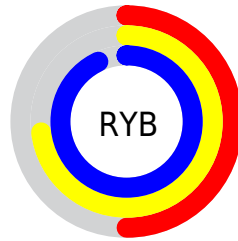
The XYZ color **53.1921, 71.2071, 83.6139** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.4392, 35.1930, 28.3401**, and the grayscale version is **57.0746, 60.0469, 65.3911**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **26.4211, 37.5927, 44.8933** is the 20% darker color. If you saturate the color by 10%, you get **49.7346, 69.4638, 81.7654**, and if you desaturate by 10%, it is **57.4954, 73.3894, 85.5284**.

Distribution



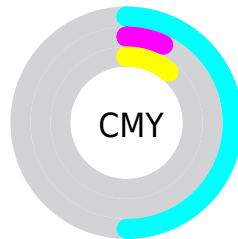
- Red (50%)
- Green (93%)
- Blue (89%)



- Red (50%)
- Yellow (73%)
- Blue (93%)



- Cyan (47%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)





- Cyan (50%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1921, 71.2071, 83.6139 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 53.1921, 71.2071, 83.6139 by changing the saturation by 10% instead.


 53.1921, 71.2071,
83.6139


 53.1921, 71.2071,
83.6139


389.2705,
464.7771, 527.0547


 38.1842, 52.5112,
62.1532


 94.0508, 120.9286,
140.2919

 26.3036, 37.4127,
44.7199


 120.6324,
152.7229, 176.3462

 17.1848, 25.5272,
30.8955


 151.8027,
189.6523, 218.1021

 10.4624, 16.4703,
20.2615

187.9268,
232.1010, 265.9782

 5.7712, 9.8575,
12.3993

229.3704,
280.4534, 320.3929

 2.7458, 5.3046,
6.8904

276.4986,

 1.0208, 2.4271,

335.0939, 381.7649

3.3162

329.6768,
396.4070, 450.5127

0.0000, 0.8398,
1.2583

0.0000, 0.0000,
0.0272

53.1921, 71.2071,
83.6139

53.1921, 71.2071,
83.6139

49.7346, 69.4638,
81.7654

57.4954, 73.3894,
85.5284

47.0567, 68.1201,
79.9750


62.6922, 76.0300,
87.5065


45.0928, 67.1440,
78.2412


68.8342, 79.1574,
89.5524


43.7633, 66.4945,
76.5600


75.9672, 82.7952,
91.6682


 42.9681, 66.1199,
74.9268


 84.1342, 86.9654,
93.8560

 42.7661, 66.0275,
74.3858

 87.7162, 88.7716,
95.8530

 88.0713, 88.9136,
97.7228

 88.4309, 89.0574,
99.6167

 88.7952, 89.2032,
101.5349

Harmonies

Analogous

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



54.1031, 71.2071, 61.4890



53.1921, 71.2071, 83.6139



55.9060, 71.2071, 108.4962

Triad

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



53.1921, 71.2071, 83.6139



77.7695, 71.2071, 119.2453



73.9016, 71.2071, 42.7814

Complementary

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



53.1921, 71.2071, 83.6139



47.4392, 35.1930, 28.3401

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.



81.0014, 71.2071, 53.1032



53.1921, 71.2071, 83.6139



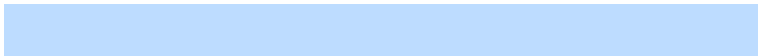
83.3576, 71.2071, 96.1488

Square

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



53.1921, 71.2071, 83.6139



69.7716, 71.2071, 131.6084



84.5857, 71.2071, 71.7532



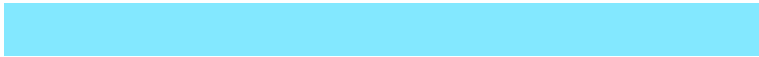
65.6310, 71.2071, 40.7646

Rectangle

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



53.1921, 71.2071, 83.6139



59.5459, 71.2071, 122.3225



84.5857, 71.2071, 71.7532



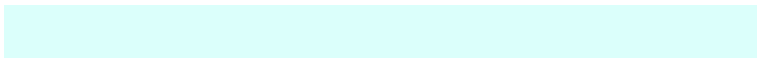
76.5235, 71.2071, 45.2766

Sweetspot

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



53.1942, 71.2099, 83.6156



82.5492, 93.6208, 105.3684



44.9054, 68.0960, 30.8575



17.3014, 19.8514, 22.4398



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.



53.1942, 71.2099, 83.6156



58.3217, 81.3195, 95.7207



43.3902, 49.0934, 88.0810



16.1759, 17.9004, 19.9491



23.8857, 36.8463, 41.6424



2.0065, 3.0730, 3.5664

Inverse Universe

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



47.4392, 35.1930, 28.3401



50.8451, 34.4080, 23.8203



53.7317, 48.9891, 26.7043



15.8364, 15.7843, 16.6949



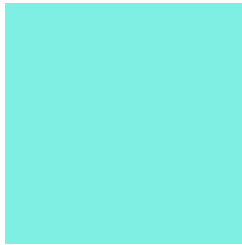
19.7823, 10.1853, 1.5041



1.6669, 0.8558, 0.2370

Previews

White Background



This preview shows how the XYZ color 53.1921, 71.2071, 83.6139 looks on a white background.

Color Contrast Check

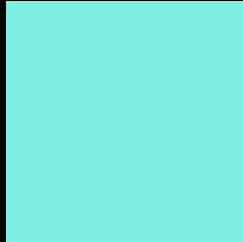
Large Text (above 18pt) WCAG AA × Fail

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 53.1921, 71.2071, 83.6139 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

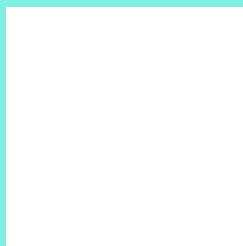
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.1921, 71.2071, 83.6139

Background



This preview shows how black text looks on a background with the XYZ color 53.1921, 71.2071, 83.6139.

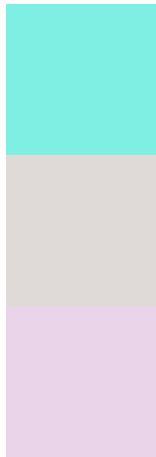


This preview shows how white text looks on a background with the XYZ color 53.1921, 71.2071,

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

53.1921, 71.2071, 83.6139

Protanopia

67.5100, 70.2200, 74.2856

Deuteranopia

71.8557, 70.2938, 86.8716



Tritanopia

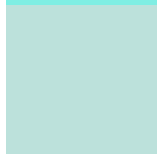
57.1441, 71.0884, 103.6381

Trichromacy



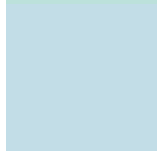
Original Color

53.1921, 71.2071, 83.6139



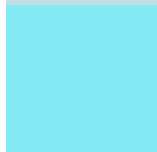
Protanomaly

60.4504, 69.6563, 77.2768



Deuteranomaly

62.5284, 68.9518, 85.6147



Tritanomaly

55.5532, 70.8538, 96.3361

Monochromacy



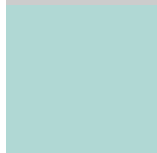
Original Color

53.1921, 71.2071, 83.6139



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.3440, 63.0953, 71.6017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1921, 71.2071, 83.6139 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(127, 238, 227)` looks like.

```
.text, #text, p{  
    color:rgb(127, 238, 227)  
}
```

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(127, 238, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 238, 227) }
```

Border

The CSS property to change the border of an element to XYZ 53.1921, 71.2071, 83.6139 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(127, 238, 227) }
```


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

```
.border{ border-color:rgb(127, 238, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 238, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 238, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 238, 227);  
box-shadow:4px 4px 4px 4px rgb(127, 238,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1921, 71.2071, 83.6139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 238, 227) }
```

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

```
.background{ background-color: rgb(127,  
238, 227) }
```

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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