

Converting Colors

XYZ(53.1378, 70.2631, 88.8702)

Have a look what the booklet for
XYZ(53.1378, 70.2631, 88.8702)
contains.

XYZ(53.0151, 70.1424, 88.5865)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.0151, 70.1424,
88.5865)**

Conversions

Conversions Part 1

Format	Color
Hex	7BECEA
RGB	123, 236, 234
RGB Percent	48%, 93%, 92%
CMY	0.5176, 0.0745, 0.0823
CMYK	0.48, 0.00, 0.01, 0.07
HSL	179°, 75%, 70%
HSV	179°, 48%, 93%
XYZ	53.0151, 70.1424, 88.5865
YIQ	201.9850, -66.7060, -24.5780

Conversions

Conversions Part 2

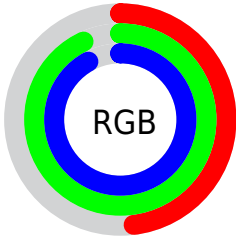
Format	Color
RYB	123, 180, 236
Decimal	8121578
CIELab	87.07, -32.67, -9.01
CIElCh	87, 33.889, 195.415
Yxy	70.1424, 0.2504, 0.3313
Android (android.graphics.Color)	4286311658 (0xFF7BECEA)
YUV	201.9850, 15.7834, -69.2698
Hunter-Lab	83.7511, -33.5724, -4.0874

Details

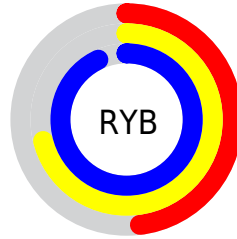
The XYZ color **53.0151, 70.1424, 88.5865** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.3791, 33.4815, 23.4753**, and the grayscale version is **56.0660, 58.9858, 64.2355**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **26.2206, 36.8175, 47.8440** is the 20% darker color. If you saturate the color by 10%, you get **49.9780, 68.5853, 88.1326**, and if you desaturate by 10%, it is **56.8702, 72.1245, 89.0825**.

Distribution



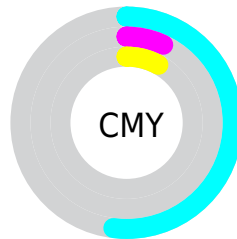
- Red (48%)
- Green (93%)
- Blue (92%)



- Red (48%)
- Yellow (71%)
- Blue (93%)



- Cyan (48%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)





- Cyan (52%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0151, 70.1424, 88.5865 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 53.0151, 70.1424, 88.5865 by changing the saturation by 10% instead.


 53.0151, 70.1424,
88.5865


 53.0151, 70.1424,
88.5865


388.6030,
461.0498, 543.8730


 38.0424, 51.6426,
66.2418


 93.7920, 119.4118,
147.2917

 26.1929, 36.7203,
48.0110


 120.3268,
150.9502, 184.4893

 17.1015, 24.9910,
33.4755

 151.4464,
187.6037, 227.4750

 10.4026, 16.0704,
22.2169

187.5161,
229.7565, 276.6672

 5.7310, 9.5740,
13.8165

228.9013,
277.7932, 332.4846

 2.7213, 5.1174,
7.8559

275.9672,

 1.0082, 2.3163,

332.0980, 395.3457

3.9164

329.0793,
393.0554, 465.6690

■ 0.0000, 0.7823,
1.5796

■ 0.0000, 0.0000,
0.2762

■ 53.0151, 70.1424,
88.5865

■ 53.0151, 70.1424,
88.5865

■ 49.9780, 68.5853,
88.1326

■ 56.8702, 72.1245,
89.0825

■ 47.6931, 67.4143,
87.7131


■ 61.5907, 74.5510,
89.6182


■ 46.0951, 66.5974,
87.3265


■ 67.2274, 77.4499,
90.1975


■ 45.1044, 66.0936,
86.9690

■ 73.8259, 80.8445,
90.8226


 44.6120, 65.8466,
86.6356


 81.4284, 84.7567,
91.4954

 44.5368, 65.8093,
86.5664

 86.4513, 87.3391,
92.0483

 86.5123, 87.3635,
92.3696

 86.5735, 87.3880,
92.6917

 86.6348, 87.4125,
93.0146

Harmonies

Analogous

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



52.9660, 70.1424, 65.8900



53.0151, 70.1424, 88.5865



56.5215, 70.1424, 111.9117

Triad

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



53.0151, 70.1424, 88.5865



78.1356, 70.1424, 111.3352



70.5845, 70.1424, 41.4105

Complementary

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



53.0151, 70.1424, 88.5865



45.3791, 33.4815, 23.4753

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.



77.9620, 70.1424, 49.2884



53.0151, 70.1424, 88.5865



82.5506, 70.1424, 87.9132

Square

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



53.0151, 70.1424, 88.5865



70.8065, 70.1424, 126.7155



82.4847, 70.1424, 65.3373



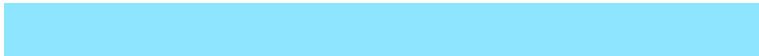
62.6944, 70.1424, 41.5195

Rectangle

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



53.0151, 70.1424, 88.5865



60.5200, 70.1424, 123.3963



82.4847, 70.1424, 65.3373



73.2194, 70.1424, 43.1314

Sweetspot

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



53.0172, 70.1451, 88.5881



83.0121, 93.8060, 107.8058



42.2905, 65.9179, 29.2350



17.4155, 19.8970, 23.0409



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.



53.0172, 70.1451, 88.5881



59.7850, 81.8678, 105.0994



40.2994, 44.2466, 85.7764



15.5055, 17.1170, 19.3447



24.5540, 36.2761, 47.7440



1.9318, 2.8500, 3.7685

Inverse Universe

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



45.3791, 33.4815, 23.4753



49.7155, 33.5114, 19.2433



53.6428, 50.2117, 25.6050



15.0763, 15.0584, 15.6871



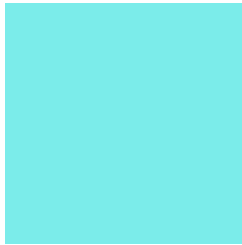
19.0854, 9.8368, 0.9849



1.5025, 0.7740, 0.0974

Previews

White Background



This preview shows how the XYZ color 53.0151, 70.1424, 88.5865 looks on a white background.

Color Contrast Check

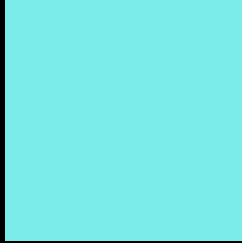
Large Text (above 18pt) WCAG AA × Fail

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 53.0151, 70.1424, 88.5865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

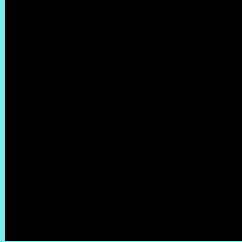
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.0151, 70.1424, 88.5865

Background



This preview shows how black text looks on a background with the XYZ color 53.0151, 70.1424, 88.5865.

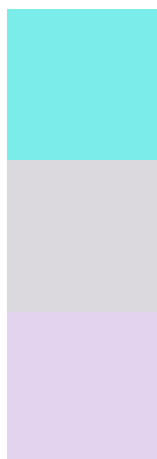


This preview shows how white text looks on a background with the XYZ color 53.0151, 70.1424,

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

53.0151, 70.1424, 88.5865

Protanopia

66.9541, 69.4457, 78.9827

Deuteranopia

70.5528, 69.1514, 91.2904



Tritanopia

55.7629, 69.9732, 102.6626

Trichromacy



Original Color

53.0151, 70.1424, 88.5865



Protanomaly

59.8823, 68.4567, 82.0088



Deuteranomaly

61.8655, 68.1196, 90.0085



Tritanomaly

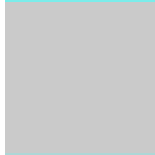
54.6566, 69.9502, 97.0072

Monochromacy



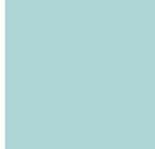
Original Color

53.0151, 70.1424, 88.5865



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.4177, 61.8324, 72.7378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0151, 70.1424, 88.5865 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(123, 236, 234)` looks like.

```
.text, #text, p{  
    color:rgb(123, 236, 234)  
}
```

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(123, 236, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 236, 234) }
```

Border

The CSS property to change the border of an element to XYZ 53.0151, 70.1424, 88.5865 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(123, 236, 234) }
```


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

```
.border{ border-color:rgb(123, 236, 234) }
```

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

Here you see how a box with a 4 pixel rgb(123, 236, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 236, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 236, 234);  
box-shadow:4px 4px 4px 4px rgb(123, 236,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0151, 70.1424, 88.5865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 236, 234) }
```

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

```
.background{ background-color: rgb(123,  
236, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor