

Converting Colors

XYZ(51.4470, 71.1194, 90.2373)

Have a look what the booklet for
XYZ(51.4470, 71.1194, 90.2373)
contains.

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Color

**XYZ(51.4460, 71.0290,
90.3554)**

Conversions

Conversions Part 1

Format	Color
Hex	63F0EC
RGB	99, 240, 236
RGB Percent	39%, 94%, 93%
CMY	0.6117, 0.0588, 0.0745
CMYK	0.59, 0.00, 0.02, 0.06
HSL	178°, 82%, 66%
HSV	178°, 59%, 94%
XYZ	51.4460, 71.0290, 90.3554
YIQ	197.3850, -82.7520, -31.1360

Conversions

Conversions Part 2

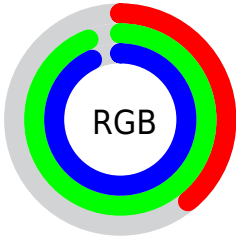
Format	Color
R_{YB}	99, 171, 240
Decimal	6549740
CIE _{Lab}	87.50, -38.64, -9.50
CIE _{LCh}	87, 39.786, 193.810
Y _{xy}	71.0290, 0.2417, 0.3337
Android (android.graphics.Color)	4284739820 (0xFF63F0EC)
YUV	197.3850, 19.0372, -86.2836
Hunter-Lab	84.2787, -38.5265, -4.5699

Details

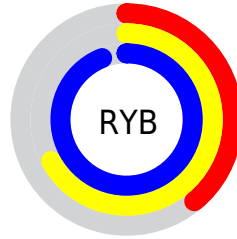
The XYZ color **51.4460, 71.0290, 90.3554** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **42.8476, 28.4303, 16.0636**, and the grayscale version is **53.2300, 56.0021, 60.9863**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **25.1717, 37.1623, 49.0264** is the 20% darker color. If you saturate the color by 10%, you get **49.1051, 69.8353, 89.7317**, and if you desaturate by 10%, it is **54.5704, 72.6298, 91.0209**.

Distribution



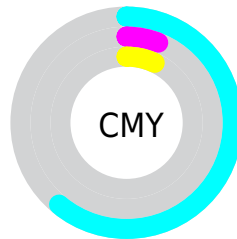
- Red (39%)
- Green (94%)
- Blue (93%)



- Red (39%)
- Yellow (67%)
- Blue (94%)



- Cyan (59%)
- Magenta (0%)
- Yellow (2%)
- Black (6%)





- Cyan (61%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4460, 71.0290, 90.3554 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 51.4460, 71.0290, 90.3554 by changing the saturation by 10% instead.

 51.4460, 71.0290,
90.3554


 51.4460, 71.0290,
90.3554

382.6533,
464.1548, 549.7862


 36.7862, 52.3659,
67.7001


 91.4928, 120.6750,
149.7718

 25.2149, 37.2968,
49.1886

 117.6104,
152.4267, 187.3699

 16.3668, 25.4374,
34.4025


 148.2780,
189.3100, 230.7861

 9.8766, 16.4032,
22.9231

183.8610,
231.7093, 280.4388

 5.3788, 9.8099,
14.3320

224.7246,
280.0091, 336.7467

 2.5082, 5.2731,
8.2105

271.2343,

 0.8994, 2.4084,

334.5936, 400.1281

4.1403

323.7554,
395.8474, 471.0018

■ 0.0000, 0.8302,
1.7026

■ 0.0000, 0.0000,
0.3625

■ 51.4460, 71.0290,
90.3554

■ 51.4460, 71.0290,
90.3554

■ 49.1051, 69.8353,
89.7317

■ 54.5704, 72.6298,
91.0209

■ 47.4701, 69.0038,
89.1414


■ 58.5345, 74.6619,
91.7261

■ 46.4586, 68.4937,
88.5822


■ 63.3968, 77.1570,
92.4754


■ 45.9464, 68.2409,
88.0484


■ 69.2086, 80.1415,
93.2710


 45.8966, 68.2166,
87.9824

 76.0176, 83.6400,
94.1153

 83.8679, 87.6753,
95.0103

 88.2441, 89.9196,
95.7447

 88.3460, 89.9604,
96.2810

 88.4482, 90.0013,
96.8194

Harmonies

Analogous

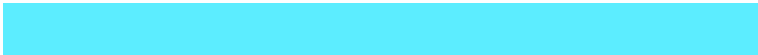
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.6081, 71.0290, 63.7935



51.4460, 71.0290, 90.3554



55.2974, 71.0290, 118.9606

Triad

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



51.4460, 71.0290, 90.3554



80.8028, 71.0290, 120.9962



72.6733, 71.0290, 37.5384

Complementary

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



51.4460, 71.0290, 90.3554



42.8476, 28.4303, 16.0636

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.



81.4022, 71.0290, 46.7708



51.4460, 71.0290, 90.3554



86.3849, 71.0290, 92.6768

Square

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



51.4460, 71.0290, 90.3554



71.9150, 71.0290, 139.2331



86.6140, 71.0290, 65.6360



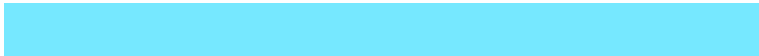
63.2905, 71.0290, 37.1960

Rectangle

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



51.4460, 71.0290, 90.3554



59.8489, 71.0290, 133.6629



86.6140, 71.0290, 65.6360



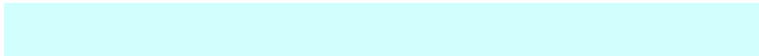
75.8005, 71.0290, 39.5876

Sweetspot

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



51.4481, 71.0317, 90.3571



79.9237, 92.2263, 107.1009



39.0886, 66.1490, 22.5139



16.6605, 19.5109, 22.8655



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.



51.4481, 71.0317, 90.3571



56.0252, 79.9750, 102.8716



36.0508, 39.2960, 88.1259



16.2269, 17.9208, 20.2175



25.1325, 37.3450, 48.2080



2.0969, 3.1092, 4.0425

Inverse Universe

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



42.8476, 28.4303, 16.0636



45.3656, 27.1007, 10.7364



51.6090, 46.2670, 18.0164



15.7910, 15.7661, 16.4556



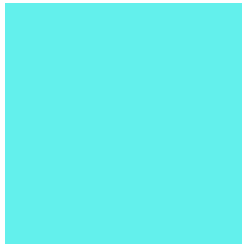
19.7000, 10.1524, 1.0710



1.6452, 0.8471, 0.1225

Previews

White Background



This preview shows how the XYZ color 51.4460, 71.0290, 90.3554 looks on a white background.

Color Contrast Check

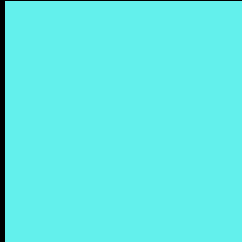
Large Text (above 18pt) WCAG AA × Fail

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 51.4460, 71.0290, 90.3554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

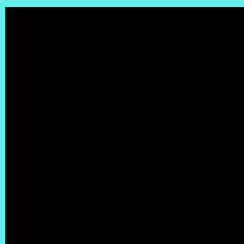
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

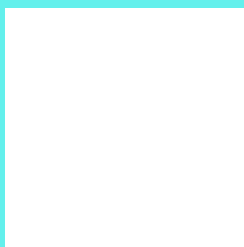
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4460, 71.0290, 90.3554

Background



This preview shows how black text looks on a background with the XYZ color 51.4460, 71.0290, 90.3554.

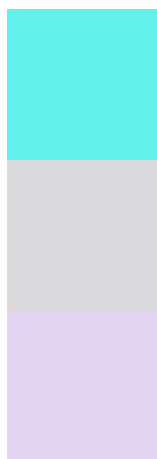


This preview shows how white text looks on a background with the XYZ color 51.4460, 71.0290,

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

51.4460, 71.0290, 90.3554

Protanopia

67.5129, 70.1153, 79.0825

Deuteranopia

71.2490, 69.8287, 93.7275



Tritanopia

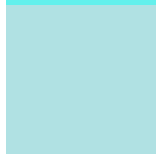
54.8555, 70.7216, 105.3672

Trichromacy



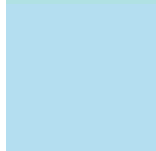
Original Color

51.4460, 71.0290, 90.3554



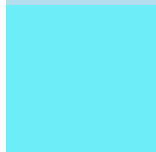
Protanomaly

58.6948, 68.6266, 82.8258



Deuteranomaly

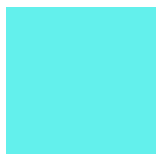
60.6718, 68.2371, 92.4114



Tritanomaly

53.4118, 70.5338, 99.6062

Monochromacy



Original Color

51.4460, 71.0290, 90.3554



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.2501, 59.8687, 70.5354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4460, 71.0290, 90.3554 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(99, 240, 236)` looks like.

```
.text, #text, p{  
    color:rgb(99, 240, 236)  
}
```

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(99, 240, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 240, 236) }
```

Border

The CSS property to change the border of an element to XYZ 51.4460, 71.0290, 90.3554 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(99, 240, 236) }
```


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

```
.border{ border-color:rgb(99, 240, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 240, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 240, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 240, 236);  
box-shadow:4px 4px 4px 4px rgb(99, 240,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4460, 71.0290, 90.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 240, 236) }
```

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

```
.background{ background-color: rgb(99, 240,  
236) }
```

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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