

# Converting Colors

XYZ(51.4126, 70.3669, 91.6947)

Have a look what the booklet for  
XYZ(51.4126, 70.3669, 91.6947)  
contains.

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# Color

**XYZ(51.5546, 70.6154,  
91.8018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64EFEE
RGB	100, 239, 238
RGB Percent	39%, 94%, 93%
CMY	0.6078, 0.0627, 0.0667
CMYK	0.58, 0.00, 0.00, 0.06
HSL	180°, 81%, 66%
HSV	180°, 58%, 94%
XYZ	51.5546, 70.6154, 91.8018
YIQ	197.3250, -82.5230, -29.7790

# Conversions

## Conversions Part 2

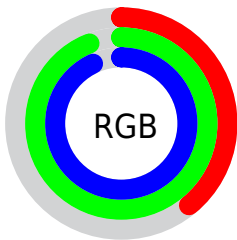
Format	Color
<a href="#">RYB</a>	<a href="#">100, 170, 239</a>
Decimal	<a href="#">6615022</a>
CIELab	<a href="#">87.30, -37.48, -10.84</a>
CIELCh	<a href="#">87, 39.018, 196.133</a>
Yxy	<a href="#">70.6154, 0.2409, 0.3300</a>
Android (android.graphics.Color)	<a href="#">4284805102</a> ( <a href="#">0xFF64EFEE</a> )
YUV	<a href="#">197.3250, 20.0528, -85.3540</a>
Hunter-Lab	<a href="#">84.0330, -37.5472, -5.9483</a>

# Details

The XYZ color **51.5546, 70.6154, 91.8018** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **42.5051, 28.4067, 15.5569**, and the grayscale version is **53.1876, 55.9575, 60.9378**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **25.1714, 36.8333, 50.0388** is the 20% darker color. If you saturate the color by 10%, you get **49.2641, 69.4391, 91.5641**, and if you desaturate by 10%, it is **54.6245, 72.1967, 92.0793**.

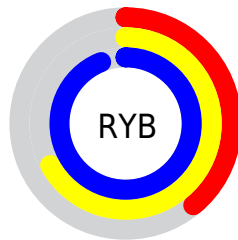
# Distribution



Red (39%)

Green (94%)

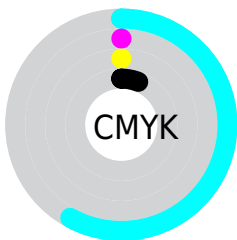
Blue (93%)



Red (39%)

Yellow (67%)

Blue (94%)

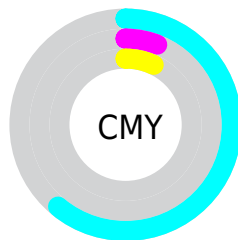


Cyan (58%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (61%)

Magenta (6%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5546, 70.6154, 91.8018 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 51.5546, 70.6154, 91.8018 by changing the saturation by 10% instead.





 51.5546, 70.6154,  
91.8018


 51.5546, 70.6154,  
91.8018


383.0670,  
462.7078, 554.5954

 36.8730, 52.0284,  
68.8939


 91.6522, 120.0859,  
151.7960

 25.2824, 37.0277,  
50.1541


 117.7988,  
151.7383, 189.7193

 16.4174, 25.2289,  
35.1638


 148.4979,  
188.5145, 233.4849

 9.9127, 16.2477,  
23.5045

184.1148,  
230.7990, 283.5113

 5.4030, 9.6996,  
14.7577

225.0148,  
278.9762, 340.2170

 2.5227, 5.2002,  
8.5048

271.5632,

 0.9067, 2.3652,

333.4305, 404.0206

4.3272

324.1255,  
394.5462, 475.3405

■ 0.0000, 0.8079,  
1.8065

■ 0.0000, 0.0000,  
0.4323

■ 51.5546, 70.6154,  
91.8018

■ 51.5546, 70.6154,  
91.8018

■ 49.2641, 69.4391,  
91.5641

■ 54.6245, 72.1967,  
92.0793

■ 47.6767, 68.6237,  
91.3578


■ 58.5291, 74.2066,  
92.3944


■ 46.7119, 68.1293,  
91.1807


■ 63.3257, 76.6764,  
92.7514


■ 46.2545, 67.8964,  
91.0276


■ 69.0651, 79.6323,  
93.1526


 46.1947, 67.8661,  
91.0005

 75.7940, 83.0982,  
93.6003

 83.5562, 87.0968,  
94.0964

 87.7184, 89.2396,  
94.4242

 87.7439, 89.2498,  
94.5586

 87.7694, 89.2600,  
94.6930

# Harmonies

## Analogous

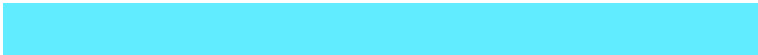
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.4033, 70.6154, 65.4015



51.5546, 70.6154, 91.8018



55.6176, 70.6154, 119.3775

# Triad

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



51.5546, 70.6154, 91.8018



80.6595, 70.6154, 117.4931



71.4363, 70.6154, 37.5225

# Complementary

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



51.5546, 70.6154, 91.8018



42.5051, 28.4067, 15.5569

# 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.



80.1031, 70.6154, 45.9073



51.5546, 70.6154, 91.8018



85.7472, 70.6154, 89.6468

# Square

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



51.5546, 70.6154, 91.8018



72.1411, 70.6154, 136.3646



85.5348, 70.6154, 63.6841



62.3333, 70.6154, 37.8439

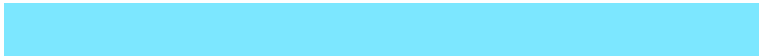


# Rectangle

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



51.5546, 70.6154, 91.8018



60.2285, 70.6154, 132.9771



85.5348, 70.6154, 63.6841



74.5134, 70.6154, 39.3159

# Sweetspot

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



51.5567, 70.6181, 91.8035



80.8103, 92.6650, 107.9711



38.6844, 65.4992, 22.6619



16.9850, 19.6736, 23.0890



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.



51.5567, 70.6181, 91.8035



56.6238, 80.2144, 106.0236



35.5554, 38.3791, 87.1983



16.2422, 17.9269, 20.2983



25.5296, 37.5039, 50.2991



2.1254, 3.1206, 4.1928



# Inverse Universe

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



42.5051, 28.4067, 15.5569



45.2265, 27.0451, 10.0043



51.7517, 46.9782, 18.3983



15.7775, 15.7607, 16.3844



19.6787, 10.1439, 0.9588

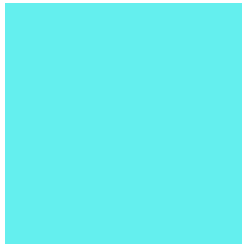


1.6387, 0.8445, 0.0883



# Previews

## White Background



This preview shows how the XYZ color 51.5546, 70.6154, 91.8018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

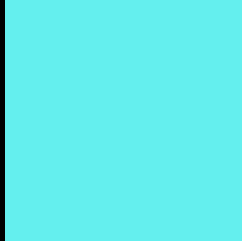
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.5546, 70.6154, 91.8018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

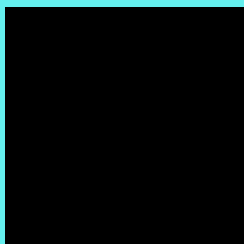
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

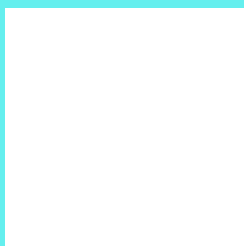
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.5546, 70.6154, 91.8018**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.5546, 70.6154, 91.8018.



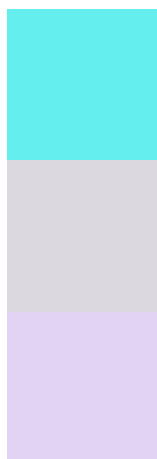
This preview shows how white text looks on a background with the XYZ color 51.5546, 70.6154,



# 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

51.5546, 70.6154, 91.8018

### Protanopia

67.2238, 69.5536, 80.4031

### Deuteranopia

70.9874, 69.2889, 95.2206



## Tritanopia

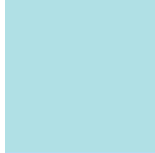
54.4759, 70.5259, 105.3494

# Trichromacy



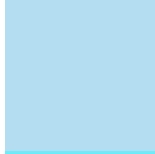
## Original Color

51.5546, 70.6154, 91.8018



## Protanomaly

58.7030, 68.1986, 84.1984



## Deuteranomaly

60.7059, 67.8270, 93.8968



## Tritanomaly

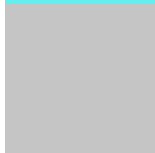
53.3269, 70.4721, 100.4144

# Monochromacy



## Original Color

51.5546, 70.6154, 91.8018



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

50.3274, 59.5218, 71.1237

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5546, 70.6154, 91.8018 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(100, 239, 238)` looks like.

```
.text, #text, p{  
    color:rgb(100, 239, 238)  
}
```

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(100, 239, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 239, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5546, 70.6154, 91.8018 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(100, 239, 238) }
```



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

```
.border{ border-color:rgb(100, 239, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 239, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 239, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 239, 238);  
box-shadow:4px 4px 4px 4px rgb(100, 239,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5546, 70.6154, 91.8018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 239, 238) }
```

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

```
.background{ background-color: rgb(100,  
239, 238) }
```

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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