

# Converting Colors

XYZ(51.3865, 71.8087, 82.0442)

Have a look what the booklet for  
XYZ(51.3865, 71.8087, 82.0442)  
contains.

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# Color

**XYZ(51.3526, 71.5980,  
82.3474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DF1E1
RGB	109, 241, 225
RGB Percent	43%, 95%, 88%
CMY	0.5725, 0.0549, 0.1176
CMYK	0.55, 0.00, 0.07, 0.05
HSL	173°, 83%, 69%
HSV	173°, 55%, 95%
XYZ	51.3526, 71.5980, 82.3474
YIQ	199.7080, -73.5360, -32.9600

# Conversions

## Conversions Part 2

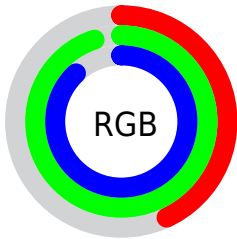
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	109, 179, 241
Decimal	7205345
CIE <sub>Lab</sub>	87.77, -40.07, -3.30
CIE <sub>LCh</sub>	88, 40.206, 184.704
Yxy	71.5980, 0.2501, 0.3488
Android (android.graphics.Color)	4285395425 (0xFF6DF1E1)
YUV	199.7080, 12.4690, -79.5509
Hunter-Lab	84.6156, -39.7469, 1.5302

# Details

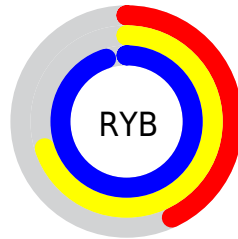
The XYZ color **51.3526, 71.5980, 82.3474** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **45.4484, 31.1209, 23.0162**, and the grayscale version is **54.6803, 57.5279, 62.6479**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **25.1237, 37.5583, 43.9555** is the 20% darker color. If you saturate the color by 10%, you get **48.3897, 70.1180, 80.1472**, and if you desaturate by 10%, it is **55.1390, 73.5052, 84.6249**.

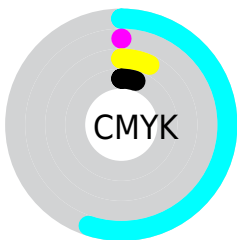
# Distribution



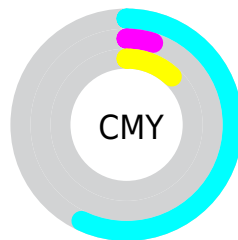
- Red (43%)
- Green (95%)
- Blue (88%)



- Red (43%)
- Yellow (70%)
- Blue (95%)



- Cyan (55%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)




- Cyan (57%)
- Magenta (5%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3526, 71.5980, 82.3474 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 51.3526, 71.5980, 82.3474 by changing the saturation by 10% instead.





 51.3526, 71.5980,  
82.3474

 51.3526, 71.5980,  
82.3474


382.2973,  
466.1412, 522.7229


 36.7115, 52.8304,  
61.1144


 91.3557, 121.4848,  
138.5021

 25.1568, 37.6674,  
43.8864


 117.4483,  
153.3728, 174.2610

 16.3233, 25.7246,  
30.2447


 148.0888,  
190.4030, 215.6989

 9.8455, 16.6177,  
19.7707

183.6426,  
232.9598, 263.2343

 5.3581, 9.9623,  
12.0461

224.4750,  
281.4276, 317.2859

 2.4958, 5.3740,  
6.6521

270.9513,

 0.8931, 2.4683,

336.1909, 378.2722

3.1704

323.4370,  
397.6339, 446.6117

0.0000, 0.8607,  
1.1823

0.0000, 0.0000,  
0.0000

51.3526, 71.5980,  
82.3474

51.3526, 71.5980,  
82.3474

48.3897, 70.1180,  
80.1472

55.1390, 73.5052,  
84.6249

46.1760, 69.0216,  
78.0160


59.8034, 75.8625,  
86.9776


44.6341, 68.2709,  
75.9514


65.4024, 78.7009,  
89.4101


43.6669, 67.8156,  
73.9489


71.9864, 82.0462,  
91.9248


 43.3132, 67.6556,  
72.9226

 79.6021, 85.9227,  
94.5240

 88.2933, 90.3527,  
97.2101

 89.2472, 90.7932,  
99.5707

 89.6980, 90.9735,  
101.9445

 90.1559, 91.1566,  
104.3556

# Harmonies

## Analogous

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



52.7728, 71.5980, 57.5889



51.3526, 71.5980, 82.3474



54.0531, 71.5980, 111.8698

# Triad

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



51.3526, 71.5980, 82.3474



79.0429, 71.5980, 129.6362



76.1979, 71.5980, 39.4430

# Complementary

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



51.3526, 71.5980, 82.3474



45.4484, 31.1209, 23.0162

# 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.



84.2800, 71.5980, 51.7021



51.3526, 71.5980, 82.3474



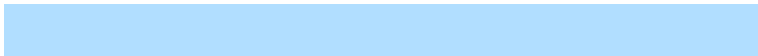
86.0272, 71.5980, 102.6397

# Square

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



51.3526, 71.5980, 82.3474



69.5676, 71.5980, 142.9408



88.0275, 71.5980, 73.7275



66.5581, 71.5980, 36.4354

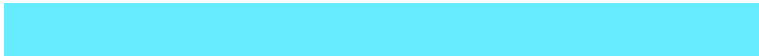


# Rectangle

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



51.3526, 71.5980, 82.3474



57.9899, 71.5980, 129.1989



88.0275, 71.5980, 73.7275



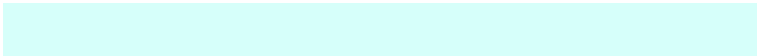
79.2149, 71.5980, 42.4507

# Sweetspot

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



51.3547, 71.6008, 82.3491



80.8137, 92.7518, 104.1303



42.9108, 68.4989, 25.4296



16.9530, 19.6776, 22.1607



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.



51.3547, 71.6008, 82.3491



54.5998, 79.5067, 90.7610



41.1678, 47.5680, 90.2339



16.1600, 17.8940, 19.8657



23.5208, 36.7003, 39.7209



1.9797, 3.0623, 3.4257



# Inverse Universe

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



45.4484, 31.1209, 23.0162



47.2832, 29.0916, 17.0615



51.1632, 44.0570, 20.2769



15.8507, 15.7900, 16.7702



19.8188, 10.1999, 1.6964

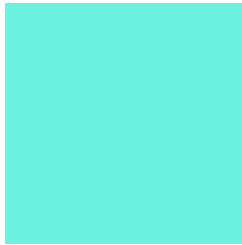


1.6737, 0.8585, 0.2728



# Previews

## White Background



This preview shows how the XYZ color 51.3526, 71.5980, 82.3474 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

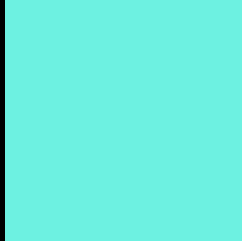
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3526, 71.5980, 82.3474 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

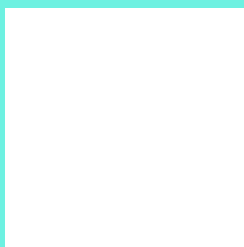
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.3526, 71.5980, 82.3474**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.3526, 71.5980, 82.3474.



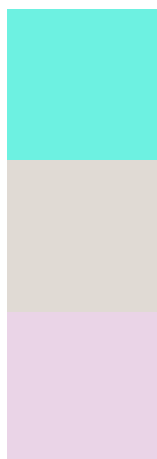
This preview shows how white text looks on a background with the XYZ color 51.3526, 71.5980,



# 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

51.3526, 71.5980, 82.3474

### Protanopia

67.6955, 70.7436, 72.3743

### Deuteranopia

71.8990, 70.3489, 85.3905



## Tritanopia

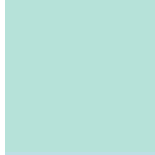
56.2138, 71.4219, 105.4308

# Trichromacy



## Original Color

51.3526, 71.5980, 82.3474



## Protanomaly

59.0121, 69.3476, 75.9208



## Deuteranomaly

61.5168, 69.2513, 84.2533



## Tritanomaly

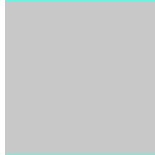
54.3749, 71.5323, 96.5292

# Monochromacy



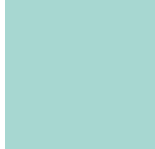
## Original Color

51.3526, 71.5980, 82.3474



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

51.7454, 61.4198, 69.4495

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3526, 71.5980, 82.3474 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(109, 241, 225)` looks like.

```
.text, #text, p{  
    color:rgb(109, 241, 225)  
}
```

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(109, 241, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 241, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3526, 71.5980, 82.3474 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(109, 241, 225) }
```



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

```
.border{ border-color:rgb(109, 241, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 241, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 241, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 241, 225);  
box-shadow:4px 4px 4px 4px rgb(109, 241,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3526, 71.5980, 82.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 241, 225) }
```

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

```
.background{ background-color: rgb(109,  
241, 225) }
```

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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