

# Converting Colors

XYZ(55.8091, 74.1425, 96.6333)

Have a look what the booklet for  
XYZ(55.8091, 74.1425, 96.6333)  
contains.

|  |    |
|--|----|
| <b>XYZ(55.8270, 74.0290, 96.9346)</b> .....    | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 12 |
| <i><b>Previews</b></i> .....                   | 24 |
| <i><b>Color Blindness Simulation</b></i> ..... | 28 |
| <i><b>CSS Examples</b></i> .....               | 31 |

# Color

**XYZ(55.8270, 74.0290,  
96.9346)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 78F2F4                       |
| RGB         | 120, 242, 244                |
| RGB Percent | 47%, 95%, 96%                |
| CMY         | 0.5294, 0.0510, 0.0431       |
| CMYK        | 0.51, 0.01, 0.00, 0.04       |
| HSL         | 181°, 85%, 71%               |
| HSV         | 181°, 51%, 96%               |
| XYZ         | 55.8270, 74.0290, 96.9346    |
| YIQ         | 205.7500, -73.3540, -25.2420 |

# Conversions

## Conversions Part 2

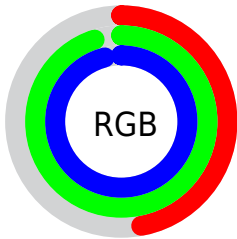
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 120, 181, 244                  |
| Decimal                             | 7926516                        |
| CIE <sub>Lab</sub>                  | 88.94, -33.58, -11.47          |
| CIE <sub>LCh</sub>                  | 89, 35.483, 198.867            |
| Yxy                                 | 74.0290, 0.2462,<br>0.3264     |
| Android<br>(android.graphics.Color) | 4286116596<br>(0xFF78F2F4)     |
| YUV                                 | 205.7500, 18.8573,<br>-75.2027 |
| Hunter-Lab                          | 86.0401, -34.7507,<br>-6.5693  |

# Details

The XYZ color **55.8270, 74.0290, 96.9346** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.6593, 34.5095, 21.9202**, and the grayscale version is **58.4253, 61.4680, 66.9386**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **27.8943, 39.0856, 53.6511** is the 20% darker color. If you saturate the color by 10%, you get **52.7483, 72.2701, 96.7587**, and if you desaturate by 10%, it is **59.7725, 76.2386, 97.1544**.

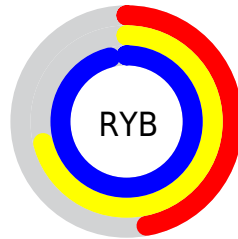
# Distribution



Red (47%)

Green (95%)

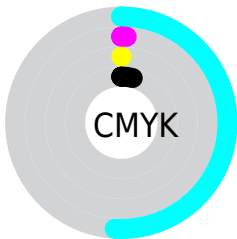
Blue (96%)



Red (47%)

Yellow (71%)

Blue (96%)

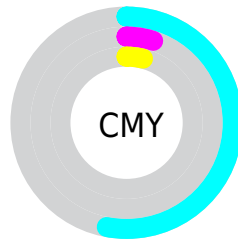


Cyan (51%)

Magenta (1%)

Yellow (0%)

Black (4%)



Cyan (53%)

Magenta (5%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8270, 74.0290, 96.9346 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 55.8270, 74.0290, 96.9346 by changing the saturation by 10% instead.



55.8270, 74.0290,  
96.9346

55.8270, 74.0290,  
96.9346

399.1248,  
474.5735, 571.4818

40.3007, 54.8178,  
73.1404

97.8929, 124.9369,  
158.9531

27.9583, 39.2558,  
53.5983

125.1631,  
157.4024, 198.0146

18.4345, 26.9588,  
37.8896

157.0788,  
195.0548, 243.0022

11.3640, 17.5423,  
25.5958

194.0051,  
238.2784, 294.3345

6.3813, 10.6219,  
16.2985

236.3075,  
287.4577, 352.4301

3.1211, 5.8132,  
9.5790

284.3514,

1.2181, 2.7318,

342.9770, 417.7075

5.0188

338.5020,  
405.2208, 490.5852

■ 0.1206, 0.9934,  
2.1994

■ 0.0000, 0.0000,  
0.6740

■ 55.8270, 74.0290,  
96.9346

■ 55.8270, 74.0290,  
96.9346

■ 52.7483, 72.2701,  
96.7587

■ 59.7725, 76.2386,  
97.1544

■ 50.4628, 70.9187,  
96.6183


■ 64.6378, 78.9210,  
97.4158


■ 48.8961, 69.9383,  
96.5116


■ 70.4798, 82.1073,  
97.7229


■ 47.9565, 69.2815,  
96.4344


■ 77.3486, 85.8233,  
98.0781


 47.5102, 68.8935,  
96.3830

 85.2911, 90.0932,  
98.4837

 90.0293, 92.7116,  
98.7393

 90.1479, 92.9489,  
98.7789

 90.2669, 93.1867,  
98.8185

 90.3860, 93.4250,  
98.8583

# Harmonies

## Analogous

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



55.3330, 74.0290, 71.7905



55.8270, 74.0290, 96.9346



60.0219, 74.0290, 121.8615

# Triad

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



55.8270, 74.0290, 96.9346



83.5863, 74.0290, 115.9992



73.6083, 74.0290, 42.4521

# Complementary

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



55.8270, 74.0290, 96.9346



47.6593, 34.5095, 21.9202

# 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.



81.8271, 74.0290, 49.9014



55.8270, 74.0290, 96.9346



87.8930, 74.0290, 90.1130

# Square

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



55.8270, 74.0290, 96.9346



75.8544, 74.0290, 134.3258



87.2241, 74.0290, 66.2207



65.1420, 74.0290, 43.5412

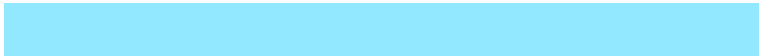


# Rectangle

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



55.8270, 74.0290, 96.9346



64.5594, 74.0290, 133.4265



87.2241, 74.0290, 66.2207



76.5030, 74.0290, 43.9679

# Sweetspot

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



55.8292, 74.0319, 96.9363



82.1547, 93.0609, 108.2403



43.4882, 70.0521, 29.0005



17.2426, 19.7339, 23.1502



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.



55.8292, 74.0319, 96.9363



58.2106, 79.8295, 106.9484



40.8046, 43.9826, 91.9281



16.9725, 18.7093, 21.2593



25.8435, 37.4808, 52.4105



2.2786, 3.3086, 4.6088



# Inverse Universe

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



60.0536, 39.0788, 88.3853



63.3937, 37.3288, 96.3703



57.4280, 54.0470, 25.1765



17.2014, 16.7634, 20.8074



28.8491, 13.8831, 46.0413

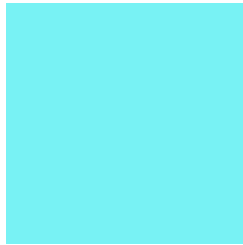


2.5392, 1.2216, 4.0657



# Previews

## White Background



This preview shows how the XYZ color 55.8270, 74.0290, 96.9346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

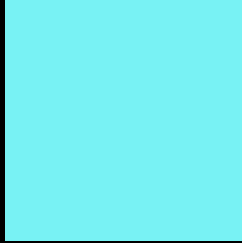
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8270, 74.0290, 96.9346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

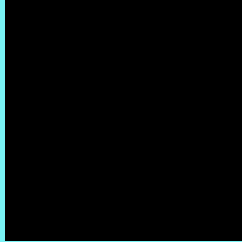
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.8270, 74.0290, 96.9346**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.8270, 74.0290, 96.9346.



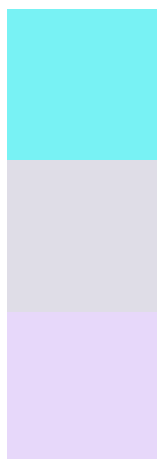
This preview shows how white text looks on a background with the XYZ color 55.8270, 74.0290,



# 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

55.8270, 74.0290, 96.9346

### Protanopia

70.7117, 73.1704, 85.9977

### Deuteranopia

74.7662, 73.0028, 100.5928



## Tritanopia

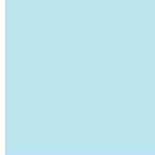
59.6090, 74.0318, 105.7556

# Trichromacy



## Original Color

55.8270, 74.0290, 96.9346



## Protanomaly

63.4093, 72.5339, 90.0153



## Deuteranomaly

65.3543, 71.7041, 99.2027



## Tritanomaly

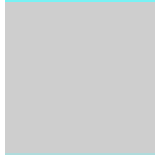
57.9520, 73.6846, 102.4349

# Monochromacy



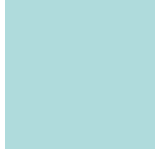
## Original Color

55.8270, 74.0290, 96.9346



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

55.9290, 64.9443, 77.2979

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8270, 74.0290, 96.9346 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(120, 242, 244)` looks like.

```
.text, #text, p{  
    color:rgb(120, 242, 244)  
}
```

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(120, 242, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 242, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8270, 74.0290, 96.9346 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(120, 242, 244) }
```



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

```
.border{ border-color:rgb(120, 242, 244) }
```

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

Here you see how a box with a 4 pixel rgb(120, 242, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 242, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 242, 244);  
box-shadow:4px 4px 4px 4px rgb(120, 242,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8270, 74.0290, 96.9346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 242, 244) }
```

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

```
.background{ background-color: rgb(120,  
242, 244) }
```

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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