

# Converting Colors

XYZ(55.4630, 80.2533, 77.1758)

Have a look what the booklet for  
XYZ(55.4630, 80.2533, 77.1758)  
contains.

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# Color

**XYZ(55.3619, 80.2082,  
76.8538)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75FFD7
RGB	117, 255, 215
RGB Percent	46%, 100%, 84%
CMY	0.5412, 0.0000, 0.1569
CMYK	0.54, 0.00, 0.16, 0.00
HSL	163°, 100%, 73%
HSV	163°, 54%, 100%
XYZ	55.3619, 80.2082, 76.8538
YIQ	209.1780, -69.4080, -41.6960

# Conversions

## Conversions Part 2

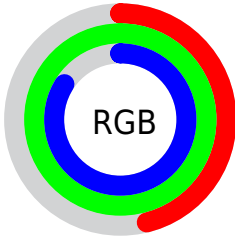
Format	Color
<a href="#">RYB</a>	<a href="#">117, 198, 255</a>
Decimal	<a href="#">7733207</a>
CIELab	<a href="#">91.78, -46.99, 7.75</a>
CIELCh	<a href="#">92, 47.628, 170.634</a>
Yxy	<a href="#">80.2082, 0.2606, 0.3776</a>
Android (android.graphics.Color)	<a href="#">4285923287 (0xFF75FFD7)</a>
YUV	<a href="#">209.1780, 2.8702, -80.8401</a>
Hunter-Lab	<a href="#">89.5590, -46.3866, 11.8125</a>

# Details

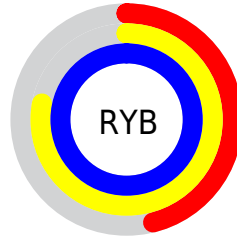
The XYZ color **55.3619, 80.2082, 76.8538** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.6879, 36.4181, 36.0993**, and the grayscale version is **60.7352, 63.8981, 69.5851**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **27.5303, 43.0989, 40.1256** is the 20% darker color. If you saturate the color by 10%, you get **51.4616, 78.3048, 71.8258**, and if you desaturate by 10%, it is **60.2397, 82.6106, 82.1543**.

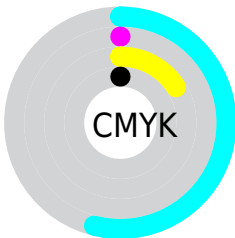
# Distribution



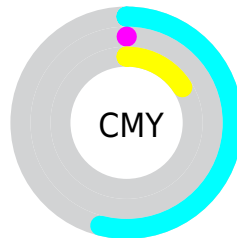
- Red (46%)
- Green (100%)
- Blue (84%)



- Red (46%)
- Yellow (78%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (54%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3619, 80.2082, 76.8538 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 55.3619, 80.2082, 76.8538 by changing the saturation by 10% instead.





 55.3619, 80.2082,  
76.8538


 55.3619, 80.2082,  
76.8538


397.3964,  
495.6342, 503.6898


 39.9265, 59.8897,  
56.6220


 97.2162, 133.6584,  
130.7042

 27.6652, 43.3297,  
40.2945


 124.3659,  
167.5589, 165.1599

 18.2126, 30.1439,  
27.4527


 156.1510,  
206.7555, 205.1941

 11.2034, 19.9478,  
17.6781

192.9370,  
251.6327, 251.2252

 6.2721, 12.3571,  
10.5521

235.0892,  
302.5747, 303.6718

 3.0534, 6.9874,  
5.6561

282.9729,

 1.1821, 3.4542,

359.9660, 362.9524

2.5718

336.9536,  
424.1911, 429.4855

0.0922, 1.3732,  
0.8778

0.0000, 0.1969,  
0.0000

55.3619, 80.2082,  
76.8538

55.3619, 80.2082,  
76.8538

51.4616, 78.3048,  
71.8258

60.2397, 82.6106,  
82.1543

48.4581, 76.8588,  
67.0595

66.1621, 85.5464,  
87.7292

46.2613, 75.8239,  
62.5490

73.1930, 89.0486,  
93.5857

44.7603, 75.1429,  
58.2862

81.3902, 93.1470,  
99.7293

■ 44.1095, 74.8598,  
55.8880

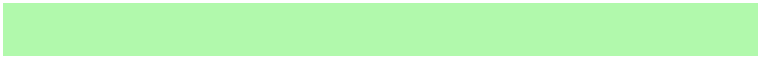
■ 90.8077, 97.8691,  
106.1651

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



59.5069, 80.2082, 51.2892



55.3619, 80.2082, 76.8538



56.3301, 80.2082, 113.1984

# Triad

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



55.3619, 80.2082, 76.8538



84.8003, 80.2082, 166.4568



92.0958, 80.2082, 45.0252

# Complementary

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



55.3619, 80.2082, 76.8538



53.6879, 36.4181, 36.0993

# 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.



100.3516, 80.2082, 65.7424



55.3619, 80.2082, 76.8538



95.8376, 80.2082, 137.2256

# Square

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



55.3619, 80.2082, 76.8538



72.4828, 80.2082, 171.7577



101.7895, 80.2082, 98.7241



80.1155, 80.2082, 36.4196



# Rectangle

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



55.3619, 80.2082, 76.8538



59.7899, 80.2082, 138.7689



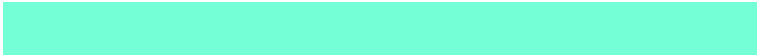
101.7895, 80.2082, 98.7241



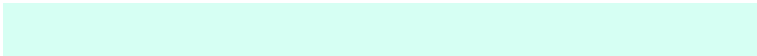
95.4499, 80.2082, 50.4955

# Sweetspot

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



55.3628, 80.2086, 76.8552



79.7539, 92.3278, 98.5495



53.1512, 80.1145, 29.4934



16.6985, 19.5758, 20.8203



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

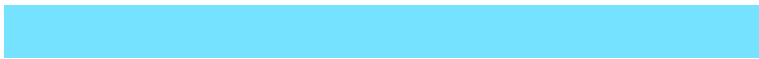
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.3628, 80.2086, 76.8552



51.1611, 78.1591, 71.3938



52.9657, 66.1600, 104.5863



18.3172, 20.3864, 21.9735



23.1162, 39.1431, 29.5611



2.2982, 3.8302, 3.1283



# Inverse Universe

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



53.6879, 36.4181, 36.0993



49.3696, 30.2610, 27.0161



54.5161, 42.6744, 22.1948



18.2259, 18.0737, 19.8067



22.2488, 11.3888, 4.6948

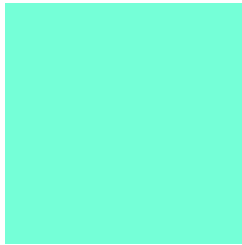


2.2113, 1.1269, 0.6939



# Previews

## White Background



This preview shows how the XYZ color 55.3619, 80.2082, 76.8538 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

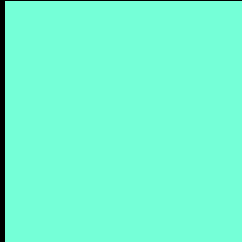
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.3619, 80.2082, 76.8538 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

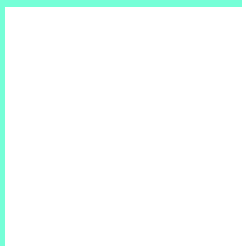
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.3619, 80.2082, 76.8538**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.3619, 80.2082, 76.8538.



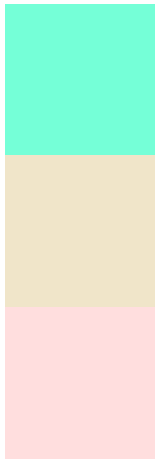
This preview shows how white text looks on a background with the XYZ color 55.3619, 80.2082, 76.8538.



# 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

55.3619, 80.2082, 76.8538

### Protanopia

74.4971, 78.7809, 66.5382

### Deuteranopia

80.5461, 78.7765, 80.0674



## Tritanopia

67.1845, 79.2446, 106.3625

# Trichromacy



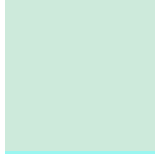
## Original Color

55.3619, 80.2082, 76.8538



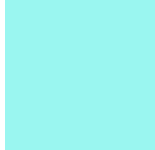
## Protanomaly

64.2208, 77.2074, 69.9102



## Deuteranomaly

67.3858, 76.9392, 78.3170



## Tritanomaly

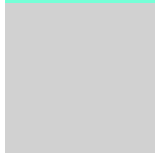
62.0104, 79.0728, 94.4324

# Monochromacy



## Original Color

55.3619, 80.2082, 76.8538



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

56.8587, 68.3260, 71.8195

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.3619, 80.2082, 76.8538 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(117, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 215)  
}
```

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(117, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 55.3619, 80.2082, 76.8538 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(117, 255, 215) }
```



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

```
.border{ border-color:rgb(117, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 255, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 255, 215); box-shadow:4px 4px 4px 4px rgb(117, 255, 215) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.3619, 80.2082, 76.8538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 215) }
```

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

```
.background{ background-color: rgb(117,  
255, 215) }
```

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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