

Converting Colors

XYZ(55.6370, 80.7044, 87.5247)

Have a look what the booklet for
XYZ(55.6370, 80.7044, 87.5247)
contains.

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Color

**XYZ(55.1885, 79.8858,
87.3737)**

Conversions

Conversions Part 1

Format	Color
Hex	63FFE6
RGB	99, 255, 230
RGB Percent	39%, 100%, 90%
CMY	0.6117, 0.0000, 0.0980
CMYK	0.61, 0.00, 0.10, 0.00
HSL	170°, 100%, 69%
HSV	170°, 61%, 100%
XYZ	55.1885, 79.8858, 87.3737
YIQ	205.5060, -84.9510, -40.8470

Conversions

Conversions Part 2

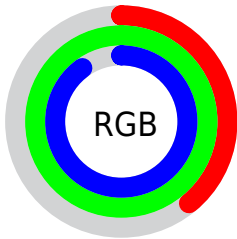
Format	Color
R_{YB}	99, 184, 255
Decimal	6553574
CIE _{Lab}	91.63, -46.81, -0.28
CIE _{LCh}	92, 46.807, 180.340
Yxy	79.8858, 0.2481, 0.3591
Android (android.graphics.Color)	4284743654 (0xFF63FFE6)
YUV	205.5060, 12.0755, -93.4058
Hunter-Lab	89.3789, -46.1951, 4.6053

Details

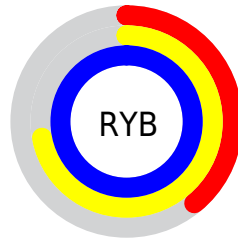
The XYZ color **55.1885, 79.8858, 87.3737** is a light color, and the websafe version is hex **33FFFF**. A complement of this color would be **49.3408, 31.6402, 22.5769**, and the grayscale version is **58.3155, 61.3525, 66.8128**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **27.7041, 43.0277, 47.4024** is the 20% darker color. If you saturate the color by 10%, you get **52.2621, 78.4427, 84.2772**, and if you desaturate by 10%, it is **59.0095, 81.7885, 90.5851**.

Distribution



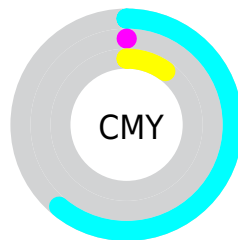
- Red (39%)
- Green (100%)
- Blue (90%)



- Red (39%)
- Yellow (72%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1885, 79.8858, 87.3737 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 55.1885, 79.8858, 87.3737 by changing the saturation by 10% instead.


 55.1885, 79.8858,
87.3737


 55.1885, 79.8858,
87.3737


396.7509,
494.5479, 539.7981

 39.7871, 59.6244,
65.2431

 96.9638, 133.2052,
145.5884

 27.5561, 43.1159,
47.2056


 124.0684,
167.0319, 182.5095

 18.1300, 29.9761,
32.8427


 155.8048,
206.1492, 225.1980

 11.1436, 19.8204,
21.7359

192.5383,
250.9414, 274.0722

 6.2315, 12.2646,
13.4665

234.6343,
301.7930, 329.5508

 3.0284, 6.9241,
7.6161

282.4582,

 1.1688, 3.4147,

359.0884, 392.0523

3.7660

336.3752,
423.2119, 461.9952

■ 0.0815, 1.3519,
1.4979

■ 0.0000, 0.1808,
0.2164

■ 55.1885, 79.8858,
87.3737

■ 55.1885, 79.8858,
87.3737

■ 52.2621, 78.4427,
84.2772

■ 59.0095, 81.7885,
90.5851

■ 50.1411, 77.4133,
81.2868


■ 63.7972, 84.1880,
93.9110

■ 48.7234, 76.7449,
78.3986


■ 69.6193, 87.1192,
97.3565

■ 47.9150, 76.3820,
75.9273

■ 76.5371, 90.6136,
100.9249

 84.6065, 94.7001,
104.6193

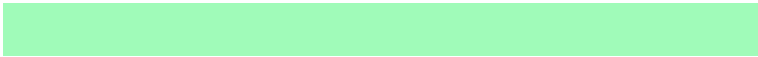
 93.8800, 99.4058,
108.4426

 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.



57.6582, 79.8858, 58.3086



55.1885, 79.8858, 87.3737



57.7720, 79.8858, 124.6446

Triad

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



55.1885, 79.8858, 87.3737



88.1395, 79.8858, 157.0471



87.8786, 79.8858, 41.4079

Complementary

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



55.1885, 79.8858, 87.3737



49.3408, 31.6402, 22.5769

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.



97.5401, 79.8858, 57.7913



55.1885, 79.8858, 87.3737



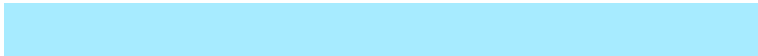
97.7016, 79.8858, 123.7857

Square

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



55.1885, 79.8858, 87.3737



76.0657, 79.8858, 170.7942



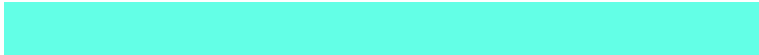
101.3067, 79.8858, 86.5916



75.7926, 79.8858, 36.3705

Rectangle

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



55.1885, 79.8858, 87.3737



62.1859, 79.8858, 148.1272



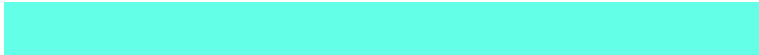
101.3067, 79.8858, 86.5916



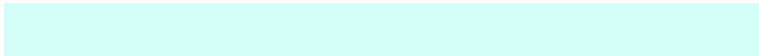
91.5611, 79.8858, 45.5145

Sweetspot

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



55.1895, 79.8863, 87.3751



78.9710, 91.8452, 102.0837



46.4707, 76.7813, 24.1770



16.4245, 19.4165, 21.6226



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.



55.1895, 79.8863, 87.3751



51.8173, 78.2252, 83.7233



44.5527, 52.5859, 102.4097



18.4224, 20.4285, 22.5275



25.0833, 39.9299, 39.9197



2.4743, 3.9006, 4.0554

Inverse Universe

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



49.3408, 31.6402, 22.5769



45.5958, 26.3926, 14.4156



54.5597, 44.2956, 17.4803



18.1281, 18.0345, 19.2915



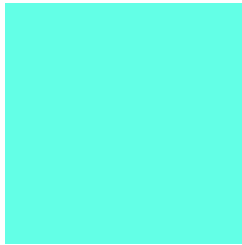
21.7915, 11.2059, 2.2865



2.1541, 1.1040, 0.3929

Previews

White Background



This preview shows how the XYZ color 55.1885, 79.8858, 87.3737 looks on a white background.

Color Contrast Check

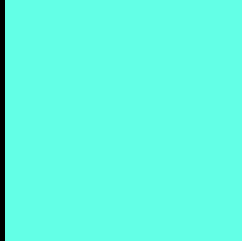
Large Text (above 18pt) WCAG AA × Fail

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 55.1885, 79.8858, 87.3737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

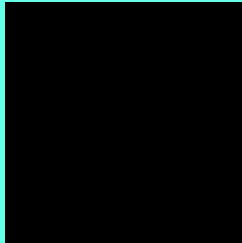
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.1885, 79.8858, 87.3737

Background



This preview shows how black text looks on a background with the XYZ color 55.1885, 79.8858, 87.3737.



This preview shows how white text looks on a background with the XYZ color 55.1885, 79.8858,

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

55.1885, 79.8858, 87.3737

Protanopia

74.9342, 78.3976, 75.4728

Deuteranopia

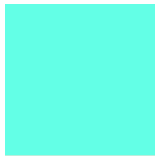
80.1187, 78.3134, 91.0141



Tritanopia

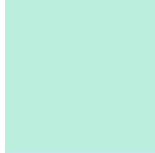
66.3797, 79.2703, 106.4099

Trichromacy



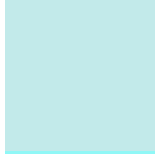
Original Color

55.1885, 79.8858, 87.3737



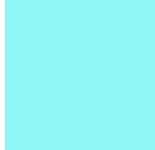
Protanomaly

63.9863, 76.8812, 79.1773



Deuteranomaly

66.5222, 76.2555, 89.0546



Tritanomaly

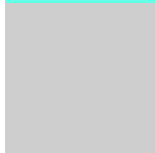
61.3969, 79.1046, 99.2215

Monochromacy



Original Color

55.1885, 79.8858, 87.3737



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.8577, 66.4331, 74.2215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1885, 79.8858, 87.3737 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, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(99, 255, 230)  
}
```

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, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 55.1885, 79.8858, 87.3737 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, 255, 230) }
```


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

```
.border{ border-color:rgb(99, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(99, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1885, 79.8858, 87.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 255, 230) }
```

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

```
.background{ background-color: rgb(99, 255,  
230) }
```

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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