

Converting Colors

XYZ(55.4313, 70.8741, 83.7002)

Have a look what the booklet for
XYZ(55.4313, 70.8741, 83.7002)
contains.

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Color

**XYZ(55.4275, 71.0737,
83.4703)**

Conversions

Conversions Part 1

Format	Color
Hex	92EBE3
RGB	146, 235, 227
RGB Percent	57%, 92%, 89%
CMY	0.4274, 0.0784, 0.1098
CMYK	0.38, 0.00, 0.03, 0.08
HSL	175°, 69%, 75%
HSV	175°, 38%, 92%
XYZ	55.4275, 71.0737, 83.4703
YIQ	207.4770, -50.4760, -21.3560

Conversions

Conversions Part 2

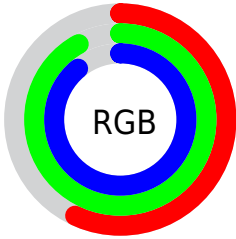
Format	Color
RYB	146, 193, 235
Decimal	9628643
CIELab	87.52, -28.48, -4.56
CIELCh	88, 28.840, 189.096
Yxy	71.0737, 0.2640, 0.3385
Android (android.graphics.Color)	4287818723 (0xFF92EBE3)
YUV	207.4770, 9.6248, -53.9153
Hunter-Lab	84.3052, -30.1771, 0.3108

Details

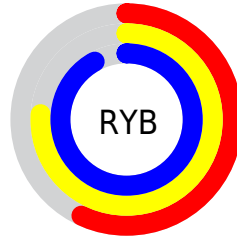
The XYZ color **55.4275, 71.0737, 83.4703** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.3750, 40.5550, 35.7473**, and the grayscale version is **59.5807, 62.6835, 68.2623**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **27.7829, 37.3924, 44.7829** is the 20% darker color. If you saturate the color by 10%, you get **51.3824, 69.0236, 81.7693**, and if you desaturate by 10%, it is **60.3389, 73.5735, 85.2336**.

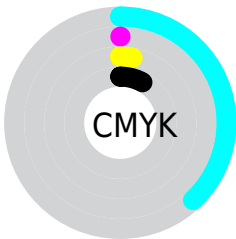
Distribution



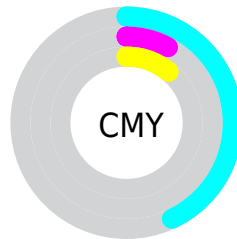
- Red (57%)
- Green (92%)
- Blue (89%)



- Red (57%)
- Yellow (76%)
- Blue (92%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (43%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4275, 71.0737, 83.4703 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 55.4275, 71.0737, 83.4703 by changing the saturation by 10% instead.

55.4275, 71.0737,
83.4703

55.4275, 71.0737,
83.4703

397.6405,
464.3110, 526.5646

39.9793, 52.4023,
62.0353

97.3117, 120.7387,
140.0891

27.7065, 37.3259,
44.6253

124.4784,
152.5011, 176.1100

18.2439, 25.4599,
30.8216

156.2820,
189.3959, 217.8299

11.2260, 16.4200,
20.2057

193.0878,
231.8076, 265.6675

6.2874, 9.8219,
12.3591

235.2612,
280.1206, 320.0412

3.0630, 5.2810,
6.8632

283.1676,

1.1871, 2.4131,

334.7192, 381.3696

3.2996

337.1722,
395.9879, 450.0712

■ 0.0962, 0.8326,
1.2496

■ 0.0000, 0.0000,
0.0199

■ 55.4275, 71.0737,
83.4703

■ 55.4275, 71.0737,
83.4703

■ 51.3824, 69.0236,
81.7693

■ 60.3389, 73.5735,
85.2336

■ 48.1444, 67.3875,
80.1231

■ 66.1590, 76.5395,
87.0567

■ 45.6568, 66.1377,
78.5306

■ 72.9345, 79.9977,
88.9433

■ 43.8527, 65.2400,
76.9886

■ 80.7075, 83.9697,
90.8955

■ 42.6534, 64.6535,
75.4933

■ 86.3186, 86.8267,
92.7655

■ 41.9511, 64.3229,
74.0396

■ 86.6302, 86.9513,
94.4064

■ 41.8310, 64.2677,
73.7340

■ 86.9455, 87.0774,
96.0666

■ 87.2644, 87.2050,
97.7461

■ 87.5870, 87.3341,
99.4450

Harmonies

Analogous

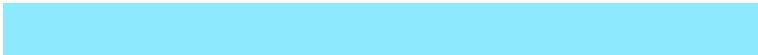
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.0410, 71.0737, 64.7591



55.4275, 71.0737, 83.4703



57.8892, 71.0737, 103.5361

Triad

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



55.4275, 71.0737, 83.4703



76.1549, 71.0737, 110.3044



72.3356, 71.0737, 47.3668

Complementary

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



55.4275, 71.0737, 83.4703



50.3750, 40.5550, 35.7473

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.



78.2375, 71.0737, 56.0593



55.4275, 71.0737, 83.4703



80.5435, 71.0737, 91.5586

Square

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



55.4275, 71.0737, 83.4703



69.6454, 71.0737, 120.6529



81.3302, 71.0737, 71.6070



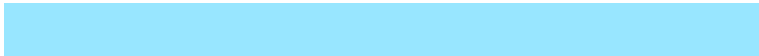
65.5038, 71.0737, 45.9414

Rectangle

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



55.4275, 71.0737, 83.4703



61.0468, 71.0737, 114.2433



81.3302, 71.0737, 71.6070



74.5066, 71.0737, 49.4561

Sweetspot

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



55.4296, 71.0765, 83.4719



85.0693, 94.9014, 106.3272



48.3972, 68.4535, 37.8576



17.9667, 20.1895, 22.6919



0.0000, 0.0000, 0.0000



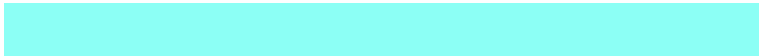
20.3446, 21.4041, 23.3091

Same Dimension

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



55.4296, 71.0765, 83.4719



63.0503, 83.6904, 98.9628



47.3672, 53.1427, 86.3615



15.4559, 17.0972, 19.0834



23.3047, 35.7764, 41.1653



1.8471, 2.8162, 3.3227

Inverse Universe

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



50.3750, 40.5550, 35.7473



56.2055, 42.3097, 34.2987



56.0978, 53.0321, 34.4751



15.1205, 15.0760, 15.9197



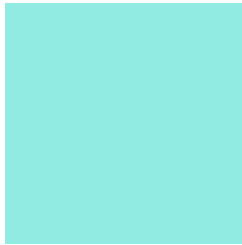
19.1634, 9.8681, 1.3959



1.5237, 0.7824, 0.2090

Previews

White Background



This preview shows how the XYZ color 55.4275, 71.0737, 83.4703 looks on a white background.

Color Contrast Check

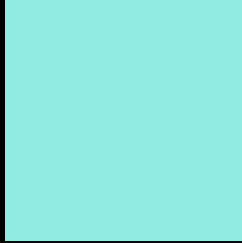
Large Text (above 18pt) WCAG AA × Fail

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 55.4275, 71.0737, 83.4703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

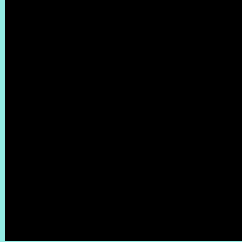
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.4275, 71.0737, 83.4703

Background



This preview shows how black text looks on a background with the XYZ color 55.4275, 71.0737, 83.4703.



This preview shows how white text looks on a background with the XYZ color 55.4275, 71.0737,

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

55.4275, 71.0737, 83.4703

Protanopia

67.4614, 70.1651, 75.6333

Deuteranopia

71.7132, 70.2368, 86.1213



Tritanopia

59.0608, 71.2908, 101.0901

Trichromacy



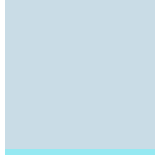
Original Color

55.4275, 71.0737, 83.4703



Protanomaly

61.9549, 70.0011, 78.6528



Deuteranomaly

63.9635, 69.3171, 84.8712



Tritanomaly

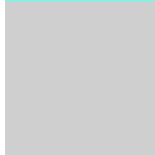
57.7436, 71.1727, 94.6987

Monochromacy



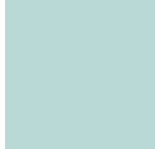
Original Color

55.4275, 71.0737, 83.4703



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

56.9580, 64.7950, 73.1230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4275, 71.0737, 83.4703 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(146, 235, 227)` looks like.

```
.text, #text, p{  
    color:rgb(146, 235, 227)  
}
```

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(146, 235, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 235, 227) }
```

Border

The CSS property to change the border of an element to XYZ 55.4275, 71.0737, 83.4703 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(146, 235, 227) }
```


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

```
.border{ border-color:rgb(146, 235, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 235, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 235, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 235, 227);  
box-shadow:4px 4px 4px 4px rgb(146, 235,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4275, 71.0737, 83.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 235, 227) }
```

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

```
.background{ background-color: rgb(146,  
235, 227) }
```

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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