

Converting Colors

XYZ(46.8852, 55.4529, 79.0838)

Have a look what the booklet for
XYZ(46.8852, 55.4529, 79.0838)
contains.

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Color

**XYZ(46.8535, 55.3641,
78.7379)**

Conversions

Conversions Part 1

Format	Color
Hex	8FCEE0
RGB	143, 206, 224
RGB Percent	56%, 81%, 88%
CMY	0.4392, 0.1921, 0.1216
CMYK	0.36, 0.08, 0.00, 0.12
HSL	193°, 57%, 72%
HSV	193°, 36%, 88%
XYZ	46.8535, 55.3641, 78.7379
YIQ	189.2150, -43.3260, -7.7580

Conversions

Conversions Part 2

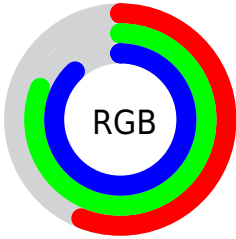
Format	Color
R_{YB}	143, 178, 224
Decimal	9424608
CIE _{Lab}	79.25, -15.59, -15.29
CIE _{LCh}	79, 21.835, 224.453
Yxy	55.3641, 0.2589, 0.3060
Android (android.graphics.Color)	4287614688 (0xFF8FCEE0)
YUV	189.2150, 17.1490, -40.5306
Hunter-Lab	74.4071, -17.8124, -10.6560

Details

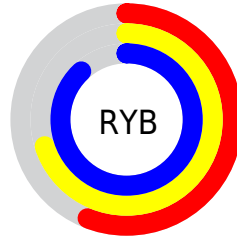
The XYZ color **46.8535, 55.3641, 78.7379** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.4440, 43.3207, 31.7963**, and the grayscale version is **48.4168, 50.9383, 55.4718**.

A 20% lighter version of the original color is **77.3632, 90.8821, 108.0723**, and **22.4142, 27.3958, 41.6427** is the 20% darker color. If you saturate the color by 10%, you get **42.1772, 51.2039, 78.1823**, and if you desaturate by 10%, it is **52.3454, 60.0037, 79.3449**.

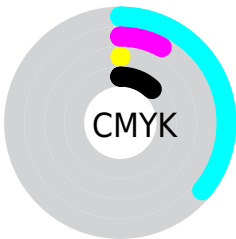
Distribution



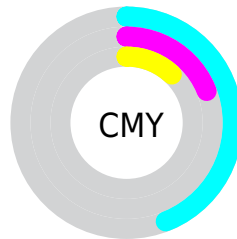
- Red (56%)
- Green (81%)
- Blue (88%)



- Red (56%)
- Yellow (70%)
- Blue (88%)



- Cyan (36%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)



- Cyan (44%)
- Magenta (19%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8535, 55.3641, 78.7379 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 46.8535, 55.3641, 78.7379 by changing the saturation by 10% instead.

■ 46.8535, 55.3641,
78.7379

■ 46.8535, 55.3641,
78.7379

364.8881,
407.2906, 510.2634

■ 33.1273, 39.6933,
58.1603

■ 84.7150, 98.0742,
133.3851

■ 22.3837, 27.2995,
41.5220

■ 109.5810,
125.8823, 168.2918

■ 14.2573, 17.7983,
28.4044

138.8910,
158.5050, 208.8120

■ 8.3827, 10.8053,
18.3890

173.0103,
196.3266, 255.3641

■ 4.3947, 5.9360,
11.0573

212.3043,
239.7316, 308.3668

■ 1.9277, 2.8062,
5.9908

257.1384,

■ 0.5929, 1.0314,

289.1043, 368.2385

2.7708

307.8779,
344.8292, 435.3979

■ 0.0000, 0.0000,
0.9788

■ 0.0000, 0.0000,
0.0000

■ 46.8535, 55.3641,
78.7379

■ 46.8535, 55.3641,
78.7379

■ 42.1772, 51.2039,
78.1823

■ 52.3454, 60.0037,
79.3449

■ 38.2647, 47.4920,
77.6721

■ 58.6905, 65.1387,
80.0017

■ 35.0661, 44.2034,
77.2059

■ 65.9305, 70.7923,
80.7113

■ 32.5231, 41.3076,
76.7810

■ 74.1024, 76.9842,
81.4758

■ 30.5677, 38.7689,
76.3940

■ 83.2399, 83.7321,
82.2967

■ 29.1153, 36.5432,
76.0410

■ 84.6520, 86.5563,
82.7674

■ 28.6351, 35.7426,
75.9117

■ 86.1040, 89.4604,
83.2514

■ 87.5963, 92.4450,
83.7488

■ 89.1291, 95.5106,
84.2597

Harmonies

Analogous

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



44.9034, 55.3641, 66.4848



46.8535, 55.3641, 78.7379



50.4036, 55.3641, 86.5410

Triad

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



46.8535, 55.3641, 78.7379



61.1320, 55.3641, 66.9590



50.5541, 55.3641, 39.8674

Complementary

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



46.8535, 55.3641, 78.7379



48.4440, 43.3207, 31.7963

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.



54.9044, 55.3641, 39.9577



46.8535, 55.3641, 78.7379



61.1778, 55.3641, 54.4777

Square

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



46.8535, 55.3641, 78.7379



58.7234, 55.3641, 79.1262



58.8454, 55.3641, 44.9622



46.9584, 55.3641, 44.6959

Rectangle

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



46.8535, 55.3641, 78.7379



53.2765, 55.3641, 87.5723



58.8454, 55.3641, 44.9622



51.9727, 55.3641, 39.3472

Sweetspot

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



46.8552, 55.3663, 78.7392



83.5166, 91.1504, 107.7997



44.3779, 61.7094, 43.0839



17.5943, 19.2895, 23.0459



0.0000, 0.0000, 0.0000



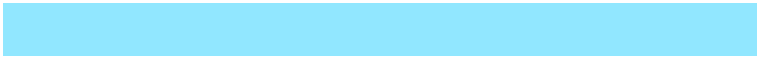
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8552, 55.3663, 78.7392



58.2630, 70.2200, 105.0908



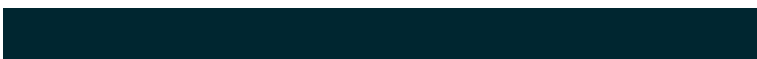
38.4106, 38.4770, 75.9243



13.8447, 15.0286, 17.5588



16.7565, 20.9826, 44.2152



1.2259, 1.5833, 3.0862

Inverse Universe

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



51.7049, 39.9498, 63.3809



65.7914, 47.3669, 81.0073



56.5978, 59.6282, 34.5142



14.1578, 13.8808, 16.6014



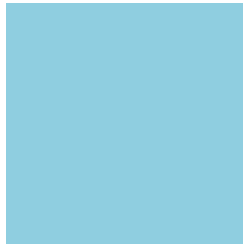
22.3981, 11.0263, 24.5600



1.5850, 0.7773, 1.8736

Previews

White Background



This preview shows how the XYZ color 46.8535, 55.3641, 78.7379 looks on a white background.

Color Contrast Check

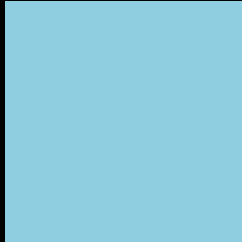
Large Text (above 18pt) WCAG AA × Fail

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 46.8535, 55.3641, 78.7379 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 46.8535, 55.3641, 78.7379

Background



This preview shows how black text looks on a background with the XYZ color 46.8535, 55.3641, 78.7379.



This preview shows how white text looks on a background with the XYZ color 46.8535, 55.3641,

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

46.8535, 55.3641, 78.7379

Protanopia

53.6788, 54.8789, 72.7293

Deuteranopia

56.0491, 54.9498, 80.3253



Tritanopia

46.7183, 55.3100, 78.0256

Trichromacy



Original Color

46.8535, 55.3641, 78.7379

Protanomaly

50.6595, 54.6166, 74.8899

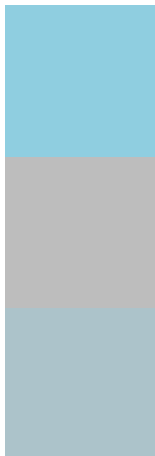
Deuteranomaly

52.0578, 54.5545, 79.7378

Tritanomaly

46.7183, 55.3100, 78.0256

Monochromacy



Original Color

46.8535, 55.3641, 78.7379

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.1890, 52.0651, 63.4396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8535, 55.3641, 78.7379 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(143, 206, 224)` looks like.

```
.text, #text, p{  
    color:rgb(143, 206, 224)  
}
```

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(143, 206, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 206, 224) }
```

Border

The CSS property to change the border of an element to XYZ 46.8535, 55.3641, 78.7379 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(143, 206, 224) }
```


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

```
.border{ border-color:rgb(143, 206, 224) }
```

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

Here you see how a box with a 4 pixel rgb(143, 206, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 206, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 206, 224);  
box-shadow:4px 4px 4px 4px rgb(143, 206,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8535, 55.3641, 78.7379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 206, 224) }
```

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

```
.background{ background-color: rgb(143,  
206, 224) }
```

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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