

Converting Colors

XYZ(48.3431, 56.0512, 84.8382)

Have a look what the booklet for
XYZ(48.3431, 56.0512, 84.8382)
contains.

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Color

**XYZ(48.3138, 55.9886,
84.6044)**

Conversions

Conversions Part 1

Format	Color
Hex	91CEE8
RGB	145, 206, 232
RGB Percent	57%, 81%, 91%
CMY	0.4314, 0.1921, 0.0902
CMYK	0.37, 0.11, 0.00, 0.09
HSL	198°, 65%, 74%
HSV	198°, 37%, 91%
XYZ	48.3138, 55.9886, 84.6044
YIQ	190.7250, -44.7020, -4.8460

Conversions

Conversions Part 2

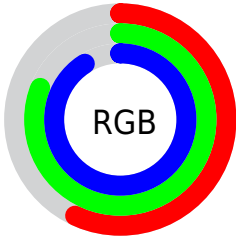
Format	Color
RYB	145, 181, 232
Decimal	9555688
CIELab	79.61, -13.06, -19.03
CIELCh	80, 23.081, 235.531
Yxy	55.9886, 0.2558, 0.2964
Android (android.graphics.Color)	4287745768 (0xFF91CEE8)
YUV	190.7250, 20.3486, -40.1008
Hunter-Lab	74.8255, -15.6897, -14.6607

Details

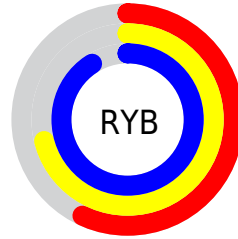
The XYZ color **48.3138, 55.9886, 84.6044** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.9533, 48.3265, 33.3264**, and the grayscale version is **49.2679, 51.8337, 56.4469**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **23.2812, 27.7647, 45.2064** is the 20% darker color. If you saturate the color by 10%, you get **43.0036, 50.8290, 83.8894**, and if you desaturate by 10%, it is **54.5358, 61.7301, 85.3857**.

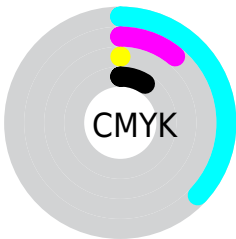
Distribution



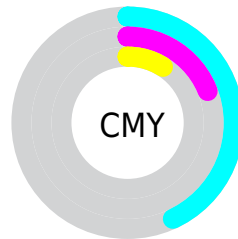
- Red (57%)
- Green (81%)
- Blue (91%)



- Red (57%)
- Yellow (71%)
- Blue (91%)



- Cyan (37%)
- Magenta (11%)
- Yellow (0%)
- Black (9%)



- Cyan (43%)
- Magenta (19%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3138, 55.9886, 84.6044 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 48.3138, 55.9886, 84.6044 by changing the saturation by 10% instead.

■ 48.3138, 55.9886,
84.6044

■ 48.3138, 55.9886,
84.6044

370.5965,
409.6485, 530.4285

■ 34.2877, 40.1938,
62.9663

■ 86.8783, 98.9879,
141.6896

■ 23.2787, 27.6897,
45.3731

■ 112.1475,
126.9612, 177.9737

■ 14.9212, 18.0919,
31.4063

141.8950,
159.7628, 219.9770

■ 8.8501, 11.0160,
20.6474

176.4864,
197.7770, 268.1179

■ 4.6999, 6.0776,
12.6778

216.2868,
241.3883, 322.8149

■ 2.1052, 2.8923,
7.0789

261.6618,

■ 0.6920, 1.0758,

290.9810, 384.4867

3.4323

312.9766,
346.9397, 453.5517

■ 0.0000, 0.0000,
1.3194

■ 0.0000, 0.0000,
0.0776

■ 48.3138, 55.9886,
84.6044

■ 48.3138, 55.9886,
84.6044

■ 43.0036, 50.8290,
83.8894

■ 54.5358, 61.7301,
85.3857

■ 38.5480, 46.2166,
83.2339

■ 61.7121, 68.0730,
86.2317

■ 34.8909, 42.1223,
82.6364

■ 69.8888, 75.0436,
87.1462

■ 31.9670, 38.5111,
82.0934

■ 79.1072, 82.6645,
88.1313

■ 29.6996, 35.3418,
81.6012

■ 87.1628, 89.8005,
89.0842

■ 27.9867, 32.5605,
81.1546

■ 89.2505, 93.9759,
89.7801

■ 27.6048, 31.9046,
81.0482

■ 91.4171, 98.3092,
90.5023

■ 91.5657, 98.6063,
90.5518

Harmonies

Analogous

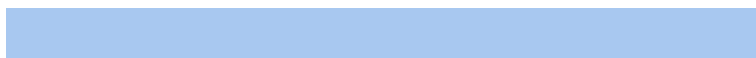
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.5482, 55.9886, 72.6784



48.3138, 55.9886, 84.6044



52.5219, 55.9886, 90.2210

Triad

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



48.3138, 55.9886, 84.6044



62.6366, 55.9886, 62.9791



49.4540, 55.9886, 40.6518

Complementary

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



48.3138, 55.9886, 84.6044



52.9533, 48.3265, 33.3264

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.



53.9152, 55.9886, 38.8305



48.3138, 55.9886, 84.6044



61.6983, 55.9886, 50.5779

Square

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



48.3138, 55.9886, 84.6044



60.9326, 55.9886, 76.6334



58.4380, 55.9886, 42.1938



46.1791, 55.9886, 47.5876

Rectangle

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



48.3138, 55.9886, 84.6044



55.6457, 55.9886, 89.1123



58.4380, 55.9886, 42.1938



50.8570, 55.9886, 39.4686

Sweetspot

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



48.3155, 55.9908, 84.6057



82.8568, 89.8308, 107.5798



47.7575, 66.6232, 48.2007



17.4364, 18.9738, 22.9933



0.0000, 0.0000, 0.0000



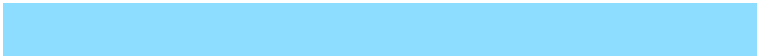
20.3446, 21.4041, 23.3091

Same Dimension

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



48.3155, 55.9908, 84.6057



54.6872, 64.3768, 104.1514



39.4924, 38.3446, 81.6647



14.4248, 15.5710, 18.3896



15.4400, 17.9421, 45.0326



1.2212, 1.4863, 3.3545

Inverse Universe

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



54.5461, 41.8642, 63.6007



63.6671, 45.2943, 73.5909



62.2227, 66.8653, 36.4162



14.8020, 14.5380, 17.1577



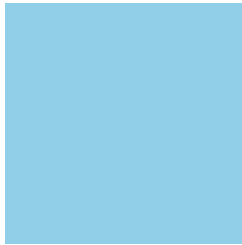
22.1869, 11.0090, 20.4110



1.6800, 0.8297, 1.7215

Previews

White Background



This preview shows how the XYZ color 48.3138, 55.9886, 84.6044 looks on a white background.

Color Contrast Check

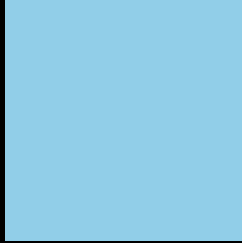
Large Text (above 18pt) WCAG AA × Fail

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 48.3138, 55.9886, 84.6044 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 48.3138, 55.9886, 84.6044

Background



This preview shows how black text looks on a background with the XYZ color 48.3138, 55.9886, 84.6044.



This preview shows how white text looks on a background with the XYZ color 48.3138, 55.9886,

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

48.3138, 55.9886, 84.6044

Protanopia

54.8439, 55.6729, 79.0895

Deuteranopia

56.8710, 55.5677, 86.3255



Tritanopia

47.0951, 55.8471, 78.8184

Trichromacy



Original Color

48.3138, 55.9886, 84.6044

Protanomaly

52.1062, 55.5622, 81.3771

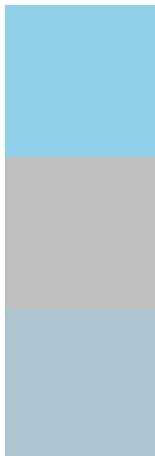
Deuteranomaly

53.1776, 55.3380, 85.7204

Tritanomaly

47.6796, 56.1010, 80.9886

Monochromacy



Original Color

48.3138, 55.9886, 84.6044

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.3361, 52.9348, 66.0624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3138, 55.9886, 84.6044 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(145, 206, 232)` looks like.

```
.text, #text, p{  
    color:rgb(145, 206, 232)  
}
```

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(145, 206, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 206, 232) }
```

Border

The CSS property to change the border of an element to XYZ 48.3138, 55.9886, 84.6044 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(145, 206, 232) }
```


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

```
.border{ border-color:rgb(145, 206, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 206, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 206, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 206, 232);  
box-shadow:4px 4px 4px 4px rgb(145, 206,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3138, 55.9886, 84.6044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 206, 232) }
```

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

```
.background{ background-color: rgb(145,  
206, 232) }
```

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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