

Converting Colors

XYZ(48.5080, 55.2773, 88.3486)

Have a look what the booklet for
XYZ(48.5080, 55.2773, 88.3486)
contains.

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Color

**XYZ(48.5560, 55.3199,
88.2394)**

Conversions

Conversions Part 1

Format	Color
Hex	91CCED
RGB	145, 204, 237
RGB Percent	57%, 80%, 93%
CMY	0.4314, 0.2000, 0.0706
CMYK	0.39, 0.14, 0.00, 0.07
HSL	202°, 72%, 75%
HSV	202°, 39%, 93%
XYZ	48.5560, 55.3199, 88.2394
YIQ	190.1210, -45.7570, -2.2450

Conversions

Conversions Part 2

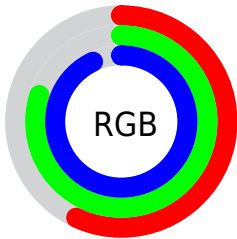
Format	Color
R _{YB}	145, 181, 237
Decimal	9555181
CIE Lab	79.23, -10.75, -22.28
CIE LCh	79, 24.741, 244.247
Yxy	55.3199, 0.2527, 0.2880
Android (android.graphics.Color)	4287745261 (0xFF91CCED)
YUV	190.1210, 23.1113, -39.5711
Hunter-Lab	74.3773, -13.6296, -18.2760

Details

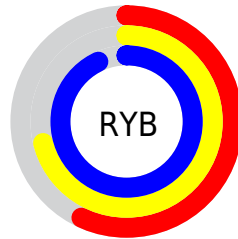
The XYZ color **48.5560, 55.3199, 88.2394** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.9574, 51.8908, 33.8564**, and the grayscale version is **48.9046, 51.4515, 56.0307**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **23.4633, 27.3225, 47.7532** is the 20% darker color. If you saturate the color by 10%, you get **42.8420, 49.4573, 87.4099**, and if you desaturate by 10%, it is **55.2548, 61.8564, 89.1490**.

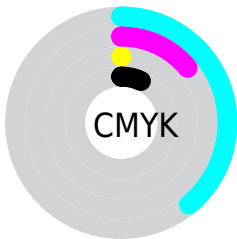
Distribution



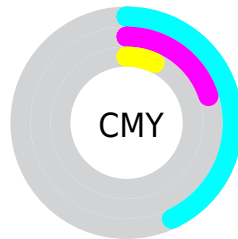
- Red (57%)
- Green (80%)
- Blue (93%)



- Red (57%)
- Yellow (71%)
- Blue (93%)



- Cyan (39%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (43%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5560, 55.3199, 88.2394 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 48.5560, 55.3199, 88.2394 by changing the saturation by 10% instead.

■ 48.5560, 55.3199,
88.2394

■ 48.5560, 55.3199,
88.2394

371.5378,
407.1234, 542.7085

■ 34.4805, 39.6579,
65.9559

■ 87.2364, 98.0095,
146.8045

■ 23.4276, 27.2719,
47.7803

■ 112.5719,
125.8059, 183.9231

■ 15.0320, 17.7775,
33.2942

142.3915,
158.4159, 226.8239

■ 8.9283, 10.7904,
22.0790

177.0605,
196.2238, 275.9253

■ 4.7512, 5.9261,
13.7161

216.9443,
239.6142, 331.6460

■ 2.1353, 2.8002,
7.7870

262.4082,

■ 0.7083, 1.0283,

288.9713, 394.4043

3.8731

313.8176,
344.6796, 464.6190

■ 0.0000, 0.0000,
1.5560

■ 0.0000, 0.0000,
0.2591

■ 48.5560, 55.3199,
88.2394

■ 48.5560, 55.3199,
88.2394

■ 42.8420, 49.4573,
87.4099

■ 55.2548, 61.8564,
89.1490

■ 38.0513, 44.2307,
86.6536

■ 62.9849, 69.0895,
90.1377

■ 34.1232, 39.6071,
85.9682

■ 71.7956, 77.0484,
91.2095

■ 30.9865, 35.5474,
85.3499

■ 81.7317, 85.7586,
92.3671

■ 28.5576, 32.0055,
84.7943

■ 89.6366, 93.5953,
93.4631

■ 26.7124, 28.9146,
84.2949

■ 92.2862, 98.8945,
94.3463

■ 26.5134, 28.5687,
84.2387

Harmonies

Analogous

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



45.1054, 55.3199, 76.8948



48.5560, 55.3199, 88.2394



53.2873, 55.3199, 91.6752

Triad

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



48.5560, 55.3199, 88.2394



62.6433, 55.3199, 58.2396



47.4085, 55.3199, 40.4122

Complementary

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



48.5560, 55.3199, 88.2394



55.9574, 51.8908, 33.8564

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.



51.8788, 55.3199, 36.9547



48.5560, 55.3199, 88.2394



60.8376, 55.3199, 46.1723

Square

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



48.5560, 55.3199, 88.2394



61.6170, 55.3199, 72.8568



56.8202, 55.3199, 38.8862



44.4727, 55.3199, 49.1604

Rectangle

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



48.5560, 55.3199, 88.2394



56.5821, 55.3199, 88.6299



56.8202, 55.3199, 38.8862



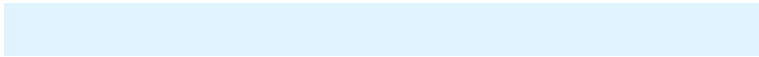
48.7710, 55.3199, 38.6608

Sweetspot

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



48.5577, 55.3220, 88.2407



81.2726, 87.8473, 107.2804



49.9184, 69.7717, 52.5375



17.0996, 18.5364, 22.9266



0.0000, 0.0000, 0.0000



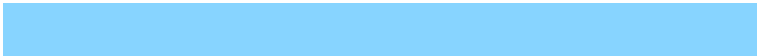
20.3446, 21.4041, 23.3091

Same Dimension

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



48.5577, 55.3220, 88.2407



51.6123, 59.4763, 103.3676



39.3285, 36.8634, 85.1643



15.0369, 16.1603, 19.2490



14.6038, 15.8545, 46.0335



1.2372, 1.4259, 3.6449

Inverse Universe

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



55.9510, 42.6166, 62.4059



61.8101, 43.3839, 67.4114



66.4782, 72.9324, 37.3633



15.4722, 15.2167, 17.7718



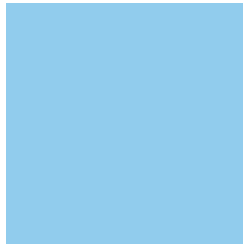
22.2266, 11.0933, 17.5265



1.7910, 0.8894, 1.6167

Previews

White Background



This preview shows how the XYZ color 48.5560, 55.3199, 88.2394 looks on a white background.

Color Contrast Check

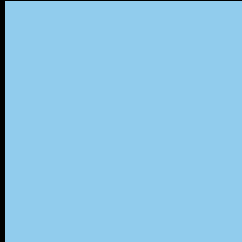
Large Text (above 18pt) WCAG AA × Fail

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 48.5560, 55.3199, 88.2394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

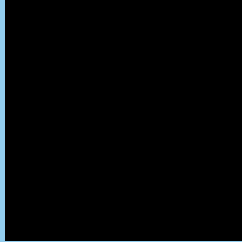
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5560, 55.3199, 88.2394

Background



This preview shows how black text looks on a background with the XYZ color 48.5560, 55.3199, 88.2394.

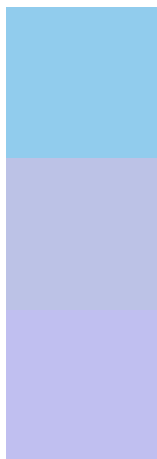


This preview shows how white text looks on a background with the XYZ color 48.5560, 55.3199,

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

48.5560, 55.3199, 88.2394

Protanopia

54.3138, 54.9881, 82.6140

Deuteranopia

56.0972, 54.7593, 90.0510



Tritanopia

46.3751, 55.1330, 78.0096

Trichromacy



Original Color

48.5560, 55.3199, 88.2394

Protanomaly

51.9153, 55.0420, 84.9787

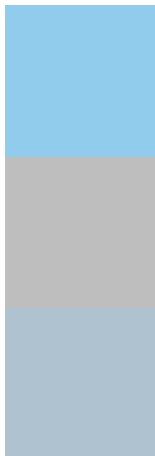
Deuteranomaly

52.9991, 54.8258, 89.4504

Tritanomaly

46.9902, 55.0149, 81.5411

Monochromacy



Original Color

48.5560, 55.3199, 88.2394

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.2332, 52.5339, 66.6294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5560, 55.3199, 88.2394 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, 204, 237)` looks like.

```
.text, #text, p{  
    color:rgb(145, 204, 237)  
}
```

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, 204, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 204, 237) }
```

Border

The CSS property to change the border of an element to XYZ 48.5560, 55.3199, 88.2394 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, 204, 237) }
```


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

```
.border{ border-color:rgb(145, 204, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 204, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 204, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 204, 237);  
box-shadow:4px 4px 4px 4px rgb(145, 204,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5560, 55.3199, 88.2394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 204, 237) }
```

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

```
.background{ background-color: rgb(145,  
204, 237) }
```

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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