

Converting Colors

XYZ(49.8466, 55.5825, 90.5394)

Have a look what the booklet for
XYZ(49.8466, 55.5825, 90.5394)
contains.

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Color

**XYZ(49.8466, 55.5825,
90.5394)**

Conversions

Conversions Part 1

Format	Color
Hex	97CBF0
RGB	151, 203, 240
RGB Percent	59%, 80%, 94%
CMY	0.4078, 0.2039, 0.0588
CMYK	0.37, 0.15, 0.00, 0.06
HSL	205°, 75%, 77%
HSV	205°, 37%, 94%
XYZ	49.8466, 55.5825, 90.5394
YIQ	191.6700, -42.8690, 0.4830

Conversions

Conversions Part 2

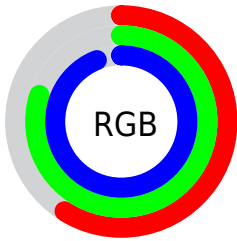
Format	Color
RYB	151, 184, 240
Decimal	9948144
CIELab	79.38, -7.89, -23.63
CIElCh	79, 24.912, 251.541
Yxy	55.5825, 0.2544, 0.2836
Android (android.graphics.Color)	4288138224 (0xFF97CBF0)
YUV	191.6700, 23.8267, -35.6676
Hunter-Lab	74.5537, -11.1238, -19.8153

Details

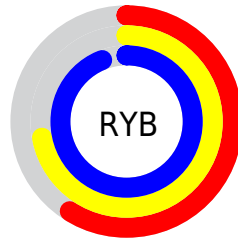
The XYZ color **49.8466, 55.5825, 90.5394** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.5053, 56.7269, 37.0928**, and the grayscale version is **49.7955, 52.3888, 57.0514**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **24.2230, 27.4424, 49.3676** is the 20% darker color. If you saturate the color by 10%, you get **43.5571, 48.9553, 89.5927**, and if you desaturate by 10%, it is **57.1979, 62.9847, 91.5817**.

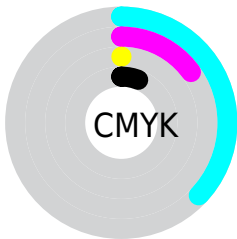
Distribution



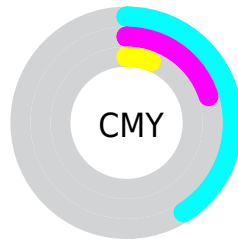
- Red (59%)
- Green (80%)
- Blue (94%)



- Red (59%)
- Yellow (72%)
- Blue (94%)



- Cyan (37%)
- Magenta (15%)
- Yellow (0%)
- Black (6%)



- Cyan (41%)
- Magenta (20%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8466, 55.5825, 90.5394 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 49.8466, 55.5825, 90.5394 by changing the saturation by 10% instead.

■ 49.8466, 55.5825,
90.5394

■ 49.8466, 55.5825,
90.5394

376.5277,
408.1162, 550.3993

■ 35.5088, 39.8683,
67.8519

■ 89.1407, 98.3939,
150.0295

■ 24.2234, 27.4359,
49.3113

■ 114.8278,
126.2598, 187.6691

■ 15.6251, 17.9008,
34.4991

145.0287,
158.9452, 231.1299

■ 9.3484, 10.8788,
22.9969

180.1087,
196.8343, 280.8303

■ 5.0280, 5.9854,
14.3859

220.4333,
240.3115, 337.1889

■ 2.2987, 2.8362,
8.2478

266.3677,

■ 0.7940, 1.0468,

289.7613, 400.6242

4.1638

318.2774,
345.5681, 471.5548

■ 0.0000, 0.0000,
1.7157

■ 0.0000, 0.0000,
0.3714

■ 49.8466, 55.5825,
90.5394

■ 49.8466, 55.5825,
90.5394

■ 43.5571, 48.9553,
89.5927

■ 57.1979, 62.9847,
91.5817

■ 38.2660, 43.0625,
88.7341

■ 65.6591, 71.1870,
92.7189

■ 33.9105, 37.8686,
87.9612

■ 75.2816, 80.2212,
93.9555

■ 30.4182, 33.3318,
87.2696

■ 86.1120, 90.1151,
95.2944

■ 27.7041, 29.4038,
86.6544

■ 92.0588, 97.7322,
96.4513

■ 25.6596, 26.0237,
86.1098

■ 92.7284, 99.0713,
96.6745

■ 25.1400, 25.1147,
85.9617

Harmonies

Analogous

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



45.9621, 55.5825, 80.6546



49.8466, 55.5825, 90.5394



54.7745, 55.5825, 91.6676

Triad

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



49.8466, 55.5825, 90.5394



62.8093, 55.5825, 55.1818



46.7129, 55.5825, 42.1787

Complementary

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



49.8466, 55.5825, 90.5394



59.5053, 56.7269, 37.0928

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.



50.9311, 55.5825, 37.3726



49.8466, 55.5825, 90.5394



60.3490, 55.5825, 44.0504

Square

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



49.8466, 55.5825, 90.5394



62.4733, 55.5825, 69.6531



55.9291, 55.5825, 37.9990



44.2330, 55.5825, 52.2221

Rectangle

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



49.8466, 55.5825, 90.5394



58.0145, 55.5825, 87.1190



55.9291, 55.5825, 37.9990



47.9630, 55.5825, 39.9743

Sweetspot

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



49.8484, 55.5847, 90.5407



81.8650, 87.8472, 107.2492



52.8508, 72.4715, 57.9939



17.1996, 18.5001, 22.9143



0.0000, 0.0000, 0.0000



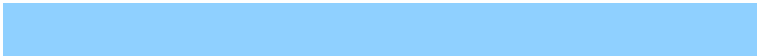
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8484, 55.5847, 90.5407



51.9861, 58.3278, 103.1262



41.0456, 37.9791, 87.6064



15.6647, 16.7634, 20.1317



13.8963, 14.0168, 47.1010



1.2540, 1.3620, 3.9510

Inverse Universe

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



57.7828, 44.9719, 62.1372



62.4616, 45.4166, 65.3792



70.1262, 77.9686, 40.6331



16.1602, 15.9138, 18.3997



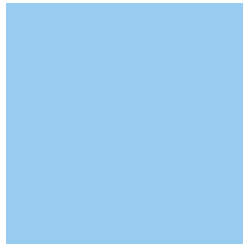
22.3398, 11.2084, 14.9719



1.9079, 0.9522, 1.5059

Previews

White Background



This preview shows how the XYZ color 49.8466, 55.5825, 90.5394 looks on a white background.

Color Contrast Check

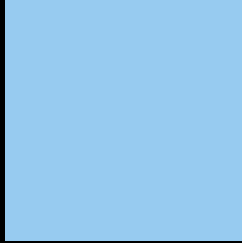
Large Text (above 18pt) WCAG AA × Fail

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 49.8466, 55.5825, 90.5394 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 49.8466, 55.5825, 90.5394

Background



This preview shows how black text looks on a background with the XYZ color 49.8466, 55.5825, 90.5394.



This preview shows how white text looks on a background with the XYZ color 49.8466, 55.5825,

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

49.8466, 55.5825, 90.5394

Protanopia

54.8821, 55.2155, 85.6070

Deuteranopia

56.3625, 55.1864, 91.6858



Tritanopia

47.4232, 55.6734, 78.0586

Trichromacy



Original Color

49.8466, 55.5825, 90.5394

Protanomaly

52.7858, 55.1026, 87.2106

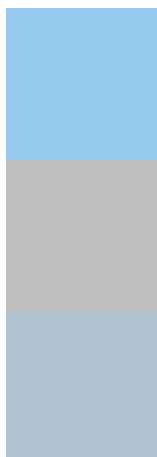
Deuteranomaly

53.5216, 55.0608, 91.0260

Tritanomaly

48.1869, 55.6157, 82.3239

Monochromacy



Original Color

49.8466, 55.5825, 90.5394

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.3800, 53.4304, 68.0321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8466, 55.5825, 90.5394 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(151, 203, 240)` looks like.

```
.text, #text, p{  
    color:rgb(151, 203, 240)  
}
```

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(151, 203, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 203, 240) }
```

Border

The CSS property to change the border of an element to XYZ 49.8466, 55.5825, 90.5394 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(151, 203, 240) }
```


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

```
.border{ border-color:rgb(151, 203, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 203, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 203, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 203, 240);  
box-shadow:4px 4px 4px 4px rgb(151, 203,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8466, 55.5825, 90.5394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 203, 240) }
```

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

```
.background{ background-color: rgb(151,  
203, 240) }
```

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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