

Converting Colors

XYZ(47.7948, 54.3109, 89.5259)

Have a look what the booklet for
XYZ(47.7948, 54.3109, 89.5259)
contains.

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Color

**XYZ(47.6850, 54.1358,
89.5973)**

Conversions

Conversions Part 1

Format	Color
Hex	8DCAEF
RGB	141, 202, 239
RGB Percent	55%, 79%, 94%
CMY	0.4470, 0.2078, 0.0627
CMYK	0.41, 0.15, 0.00, 0.06
HSL	203°, 75%, 75%
HSV	203°, 41%, 94%
XYZ	47.6850, 54.1358, 89.5973
YIQ	187.9790, -48.2330, -1.4250

Conversions

Conversions Part 2

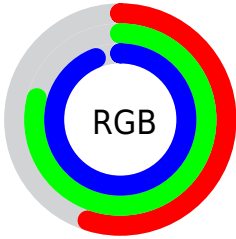
Format	Color
RYB	141, 179, 239
Decimal	9292527
CIELab	78.54, -10.20, -24.42
CIELCh	79, 26.462, 247.317
Yxy	54.1358, 0.2491, 0.2828
Android (android.graphics.Color)	4287482607 (0xFF8DCAEF)
YUV	187.9790, 25.1534, -41.2006
Hunter-Lab	73.5770, -13.0746, -20.6956

Details

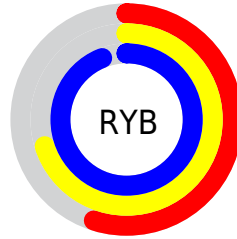
The XYZ color **47.6850, 54.1358, 89.5973** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.3258, 52.1156, 32.2915**, and the grayscale version is **47.6708, 50.1534, 54.6171**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **22.8835, 26.5300, 48.7145** is the 20% darker color. If you saturate the color by 10%, you get **41.9959, 48.1524, 88.7432**, and if you desaturate by 10%, it is **54.3782, 60.8230, 90.5362**.

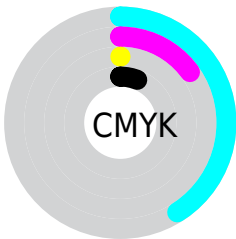
Distribution



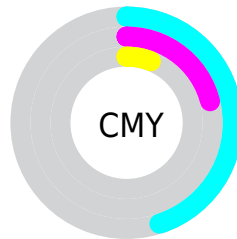
- Red (55%)
- Green (79%)
- Blue (94%)



- Red (55%)
- Yellow (70%)
- Blue (94%)



- Cyan (41%)
- Magenta (15%)
- Yellow (0%)
- Black (6%)



- Cyan (45%)
- Magenta (21%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6850, 54.1358, 89.5973 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 47.6850, 54.1358, 89.5973 by changing the saturation by 10% instead.

■ 47.6850, 54.1358,
89.5973

■ 47.6850, 54.1358,
89.5973

368.1456,
402.6276, 547.2563

■ 33.7877, 38.7102,
67.0749

■ 85.9478, 96.2736,
148.7095

■ 22.8927, 26.5344,
48.6835

■ 111.0439,
123.7546, 186.1364

■ 14.6345, 17.2238,
34.0046

140.6038,
156.0230, 229.3685

■ 8.6479, 10.3942,
22.6198

174.9927,
193.4630, 278.8244

■ 4.5675, 5.6611,
14.1103

214.5759,
236.4590, 334.9225

■ 2.0279, 2.6401,
8.0578

259.7189,

■ 0.6496, 0.9469,

285.3956, 398.0815

4.0437

310.7870,
340.6570, 468.7199

■ 0.0000, 0.0000,
1.6493

■ 0.0000, 0.0000,
0.3257

■ 47.6850, 54.1358,
89.5973

■ 47.6850, 54.1358,
89.5973

■ 41.9959, 48.1524,
88.7432

■ 54.3782, 60.8230,
90.5362

■ 37.2466, 42.8331,
87.9668

■ 62.1242, 68.2385,
91.5593

■ 33.3731, 38.1427,
87.2656

■ 70.9746, 76.4132,
92.6707

■ 30.3002, 34.0392,
86.6355

■ 80.9759, 85.3738,
93.8732

■ 27.9382, 30.4730,
86.0717

■ 90.1175, 94.0868,
95.0731

■ 26.2911, 27.6540,
85.6143

■ 92.5802, 99.0121,
95.8940

Harmonies

Analogous

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



43.8872, 54.1358, 78.1170



47.6850, 54.1358, 89.5973



52.7417, 54.1358, 92.2493

Triad

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



47.6850, 54.1358, 89.5973



62.0508, 54.1358, 55.3634



45.6138, 54.1358, 38.9347

Complementary

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



47.6850, 54.1358, 89.5973



56.3258, 52.1156, 32.2915

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.



50.1883, 54.1358, 34.8097



47.6850, 54.1358, 89.5973



59.8451, 54.1358, 43.1979

Square

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



47.6850, 54.1358, 89.5973



61.2682, 54.1358, 70.7225



55.4175, 54.1358, 36.2268



42.7490, 54.1358, 48.5529

Rectangle

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



47.6850, 54.1358, 89.5973



56.1930, 54.1358, 88.3064



55.4175, 54.1358, 36.2268



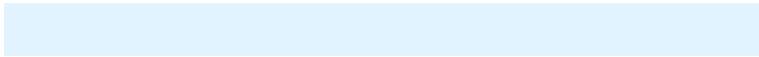
46.9900, 54.1358, 36.9407

Sweetspot

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



47.6867, 54.1379, 89.5986



81.0992, 87.5006, 107.2227



49.7815, 70.5686, 52.5591



17.0587, 18.4547, 22.9130



0.0000, 0.0000, 0.0000



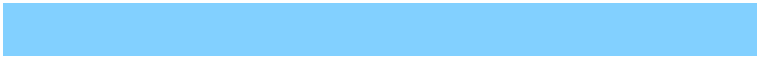
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6867, 54.1379, 89.5986



49.7772, 56.9970, 102.9857



38.1326, 35.0296, 86.4139



15.7169, 16.8679, 20.1491



14.6592, 15.5427, 47.3553



1.3149, 1.4839, 3.9713

Inverse Universe

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



55.7836, 41.6663, 60.9816



60.5931, 41.7841, 64.4343



67.5837, 74.6315, 36.0442



16.1865, 15.9243, 18.5385



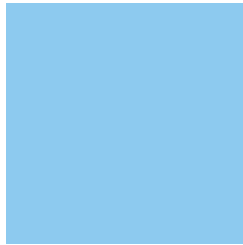
22.7249, 11.3624, 16.9999



1.9387, 0.9645, 1.6679

Previews

White Background



This preview shows how the XYZ color 47.6850, 54.1358, 89.5973 looks on a white background.

Color Contrast Check

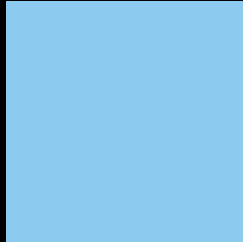
Large Text (above 18pt) WCAG AA × Fail

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 47.6850, 54.1358, 89.5973 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

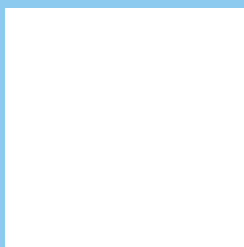
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6850, 54.1358, 89.5973

Background



This preview shows how black text looks on a background with the XYZ color 47.6850, 54.1358, 89.5973.

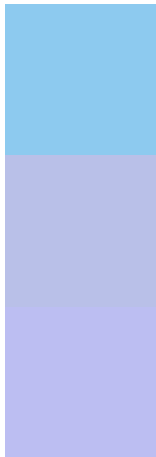


This preview shows how white text looks on a background with the XYZ color 47.6850, 54.1358,

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

47.6850, 54.1358, 89.5973

Protanopia

53.4227, 53.8398, 83.9204

Deuteranopia

55.1795, 53.9291, 91.5055



Tritanopia

45.0358, 54.1173, 76.4787

Trichromacy



Original Color

47.6850, 54.1358, 89.5973

Protanomaly

51.0975, 53.9130, 86.3104

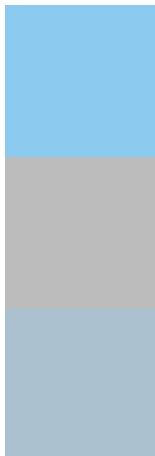
Deuteranomaly

51.9636, 53.5924, 90.8247

Tritanomaly

46.0777, 54.1904, 81.4300

Monochromacy



Original Color

47.6850, 54.1358, 89.5973

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.1270, 51.3028, 66.4501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6850, 54.1358, 89.5973 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(141, 202, 239)` looks like.

```
.text, #text, p{  
    color:rgb(141, 202, 239)  
}
```

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(141, 202, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 202, 239) }
```

Border

The CSS property to change the border of an element to XYZ 47.6850, 54.1358, 89.5973 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(141, 202, 239) }
```


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

```
.border{ border-color:rgb(141, 202, 239) }
```

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

Here you see how a box with a 4 pixel rgb(141, 202, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 202, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 202, 239);  
box-shadow:4px 4px 4px 4px rgb(141, 202,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6850, 54.1358, 89.5973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 202, 239) }
```

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

```
.background{ background-color: rgb(141,  
202, 239) }
```

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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