

Converting Colors

XYZ(48.0887, 54.0591, 89.5663)

Have a look what the booklet for
XYZ(48.0887, 54.0591, 89.5663)
contains.

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Color

**XYZ(47.9682, 53.9346,
89.5436)**

Conversions

Conversions Part 1

Format	Color
Hex	90C9EF
RGB	144, 201, 239
RGB Percent	56%, 79%, 94%
CMY	0.4353, 0.2118, 0.0627
CMYK	0.40, 0.16, 0.00, 0.06
HSL	204°, 75%, 75%
HSV	204°, 40%, 94%
XYZ	47.9682, 53.9346, 89.5436
YIQ	188.2890, -46.1700, -0.2660

Conversions

Conversions Part 2

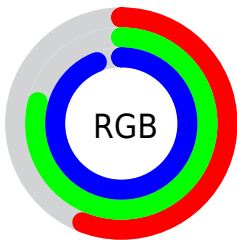
Format	Color
RYB	144, 180, 239
Decimal	9488879
CIELab	78.42, -8.91, -24.58
CIELCh	78, 26.146, 250.067
Yxy	53.9346, 0.2506, 0.2817
Android (android.graphics.Color)	4287678959 (0xFF90C9EF)
YUV	188.2890, 25.0005, -38.8415
Hunter-Lab	73.4402, -11.9312, -20.8825

Details

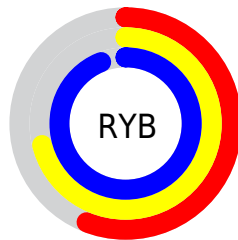
The XYZ color **47.9682, 53.9346, 89.5436** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.3596, 53.8212, 33.7524**, and the grayscale version is **47.8467, 50.3385, 54.8186**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **23.1008, 26.4102, 48.6799** is the 20% darker color. If you saturate the color by 10%, you get **42.0680, 47.6881, 88.6498**, and if you desaturate by 10%, it is **54.8941, 60.9182, 90.5275**.

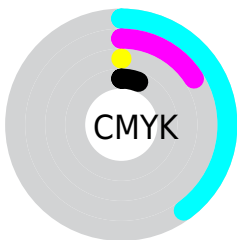
Distribution



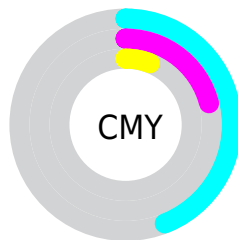
- Red (56%)
- Green (79%)
- Blue (94%)



- Red (56%)
- Yellow (71%)
- Blue (94%)



- Cyan (40%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)



- Cyan (44%)
- Magenta (21%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9682, 53.9346, 89.5436 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 47.9682, 53.9346, 89.5436 by changing the saturation by 10% instead.

■ 47.9682, 53.9346,
89.5436

■ 47.9682, 53.9346,
89.5436

369.2508,
401.8606, 547.0768

■ 34.0129, 38.5494,
67.0306

■ 86.3670, 95.9782,
148.6342

■ 23.0664, 26.4094,
48.6477

■ 111.5412,
123.4054, 186.0490

■ 14.7635, 17.1301,
33.9765

141.1858,
155.6154, 229.2680

■ 8.7388, 10.3273,
22.5983

175.6660,
192.9925, 278.7099

■ 4.6270, 5.6165,
14.0947

215.3472,
235.9212, 334.7932

■ 2.0626, 2.6133,
8.0471

260.5949,

■ 0.6687, 0.9334,

284.7858, 397.9364

4.0369

311.7743,
339.9708, 468.5581

■ 0.0000, 0.0000,
1.6456

■ 0.0000, 0.0000,
0.3230

■ 47.9682, 53.9346,
89.5436

■ 47.9682, 53.9346,
89.5436

■ 42.0680, 47.6881,
88.6498

■ 54.8941, 60.9182,
90.5275

■ 37.1297, 42.1384,
87.8389

■ 62.8943, 68.6640,
91.6009

■ 33.0897, 37.2502,
87.1083

■ 72.0204, 77.2032,
92.7682

■ 29.8737, 32.9812,
86.4538

■ 82.3187, 86.5632,
94.0320

■ 27.3938, 29.2821,
85.8705

■ 90.6347, 95.1212,
95.2456

■ 25.5073, 26.0752,
85.3510

■ 92.5802, 99.0121,
95.8941

■ 25.4634, 25.9985,
85.3385

Harmonies

Analogous

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



44.0679, 53.9346, 78.8862



47.9682, 53.9346, 89.5436



53.0096, 53.9346, 91.2225

Triad

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



47.9682, 53.9346, 89.5436



61.6191, 53.9346, 53.9173



45.1632, 53.9346, 39.6241

Complementary

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



47.9682, 53.9346, 89.5436



57.3596, 53.8212, 33.7524

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.



49.5556, 53.9346, 35.0396



47.9682, 53.9346, 89.5436



59.2020, 53.9346, 42.3307

Square

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



47.9682, 53.9346, 89.5436



61.1233, 53.9346, 68.9099



54.7058, 53.9346, 35.9399



42.5250, 53.9346, 49.5977

Rectangle

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



47.9682, 53.9346, 89.5436



56.3741, 53.9346, 86.7745



54.7058, 53.9346, 35.9399



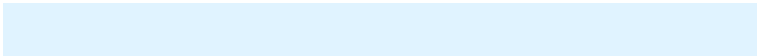
46.4710, 53.9346, 37.4840

Sweetspot

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



47.9699, 53.9367, 89.5449



80.8935, 87.0892, 107.1541



50.6502, 70.9758, 54.4346



17.0103, 18.3577, 22.8968



0.0000, 0.0000, 0.0000



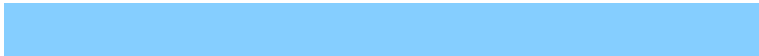
20.3446, 21.4041, 23.3091

Same Dimension

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



47.9699, 53.9367, 89.5449



49.7412, 56.3367, 102.8602



38.8182, 35.6333, 86.4943



15.6861, 16.8064, 20.1388



14.2033, 14.6309, 47.2033



1.2786, 1.4113, 3.9592

Inverse Universe

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



56.1139, 42.5158, 60.5094



60.7185, 42.3840, 63.3998



68.3523, 75.8065, 37.4167



16.1710, 15.9181, 18.4568



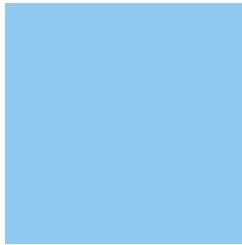
22.4948, 11.2703, 15.7881



1.9203, 0.9572, 1.5714

Previews

White Background



This preview shows how the XYZ color 47.9682, 53.9346, 89.5436 looks on a white background.

Color Contrast Check

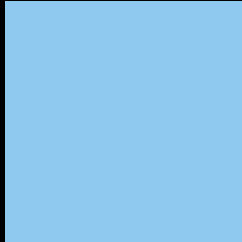
Large Text (above 18pt) WCAG AA × Fail

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 47.9682, 53.9346, 89.5436 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 47.9682, 53.9346, 89.5436

Background



This preview shows how black text looks on a background with the XYZ color 47.9682, 53.9346, 89.5436.



This preview shows how white text looks on a background with the XYZ color 47.9682, 53.9346,

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

47.9682, 53.9346, 89.5436

Protanopia

53.4227, 53.8398, 83.9204

Deuteranopia

54.5683, 53.3109, 90.6331



Tritanopia

45.2915, 53.8952, 76.4223

Trichromacy



Original Color

47.9682, 53.9346, 89.5436

Protanomaly

51.0881, 53.5744, 86.2455

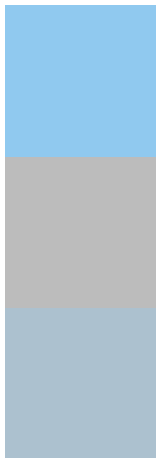
Deuteranomaly

51.5927, 53.0891, 89.9661

Tritanomaly

46.3440, 53.9760, 81.3746

Monochromacy



Original Color

47.9682, 53.9346, 89.5436

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.3457, 51.4156, 66.4603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9682, 53.9346, 89.5436 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(144, 201, 239)` looks like.

```
.text, #text, p{  
    color:rgb(144, 201, 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(144, 201, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 201, 239) }
```

Border

The CSS property to change the border of an element to XYZ 47.9682, 53.9346, 89.5436 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(144, 201, 239) }
```


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

```
.border{ border-color:rgb(144, 201, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 201, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 201, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 201, 239);  
box-shadow:4px 4px 4px 4px rgb(144, 201,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9682, 53.9346, 89.5436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 201, 239) }
```

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

```
.background{ background-color: rgb(144,  
201, 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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