

Converting Colors

XYZ(46.2981, 53.0736, 89.4654)

Have a look what the booklet for
XYZ(46.2981, 53.0736, 89.4654)
contains.

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Color

**XYZ(46.2981, 53.0736,
89.4654)**

Conversions

Conversions Part 1

Format	Color
Hex	86C9EF
RGB	134, 201, 239
RGB Percent	53%, 79%, 94%
CMY	0.4745, 0.2118, 0.0627
CMYK	0.44, 0.16, 0.00, 0.06
HSL	202°, 77%, 73%
HSV	202°, 44%, 94%
XYZ	46.2981, 53.0736, 89.4654
YIQ	185.2990, -52.1300, -2.3860

Conversions

Conversions Part 2

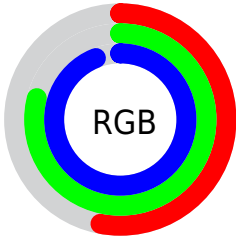
Format	Color
RYB	134, 175, 239
Decimal	8833519
CIELab	77.92, -11.41, -25.40
CIELCh	78, 27.842, 245.804
Yxy	53.0736, 0.2452, 0.2811
Android (android.graphics.Color)	4287023599 (0xFF86C9EF)
YUV	185.2990, 26.4746, -44.9892
Hunter-Lab	72.8516, -14.0514, -21.8149

Details

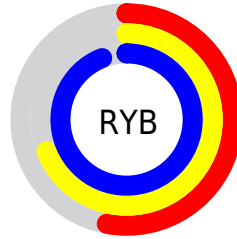
The XYZ color **46.2981, 53.0736, 89.4654** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.6533, 49.5782, 29.2448**, and the grayscale version is **46.1599, 48.5638, 52.8860**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **22.0415, 25.8641, 48.6303** is the 20% darker color. If you saturate the color by 10%, you get **40.9510, 47.4087, 88.6547**, and if you desaturate by 10%, it is **52.6229, 59.4134, 90.3567**.

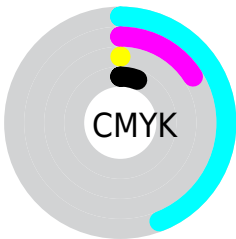
Distribution



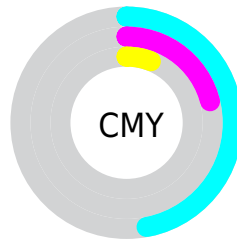
- Red (53%)
- Green (79%)
- Blue (94%)



- Red (53%)
- Yellow (69%)
- Blue (94%)



- Cyan (44%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)



- Cyan (47%)
- Magenta (21%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2981, 53.0736, 89.4654 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 46.2981, 53.0736, 89.4654 by changing the saturation by 10% instead.

■ 46.2981, 53.0736,
89.4654

■ 46.2981, 53.0736,
89.4654

362.7017,
398.5674, 546.8154

■ 32.6867, 37.8615,
66.9661

■ 83.8901, 94.7127,
148.5246

■ 22.0447, 25.8752,
48.5957

■ 108.6014,
121.9084, 185.9216

■ 14.0065, 16.7303,
33.9355

■ 137.7435,
153.8676, 229.1216

■ 8.2069, 10.0424,
22.5671

171.6816,
190.9745, 278.5432

■ 4.2806, 5.4271,
14.0719

210.7811,
233.6135, 334.6048

■ 1.8620, 2.5000,
8.0314

255.4074,

■ 0.5546, 0.8766,

282.1691, 397.7250

4.0270

305.9258,
337.0256, 468.3224

■ 0.0000, 0.0000,
1.6401

■ 0.0000, 0.0000,
0.3192

■ 46.2981, 53.0736,
89.4654

■ 46.2981, 53.0736,
89.4654

■ 40.9510, 47.4087,
88.6547

■ 52.6229, 59.4134,
90.3567

■ 36.5160, 42.3786,
87.9176

■ 59.9753, 66.4530,
91.3280

■ 32.9266, 37.9476,
87.2515

■ 68.4076, 74.2232,
92.3833

■ 30.1046, 34.0722,
86.6522

■ 77.9672, 82.7510,
93.5255

■ 27.9546, 30.7003,
86.1147

■ 88.6982, 92.0616,
94.7571

■ 26.8910, 28.8538,
85.8143

■ 91.9137, 97.6791,
95.6719

■ 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.



42.4656, 53.0736, 77.0397



46.2981, 53.0736, 89.4654



51.5048, 53.0736, 92.8061

Triad

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



46.2981, 53.0736, 89.4654



61.5245, 53.0736, 54.8257



44.5975, 53.0736, 36.8273

Complementary

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



46.2981, 53.0736, 89.4654



54.6533, 49.5782, 29.2448

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.



49.3996, 53.0736, 32.9160



46.2981, 53.0736, 89.4654



59.3658, 53.0736, 42.0448

Square

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



46.2981, 53.0736, 89.4654



60.5469, 53.0736, 70.8865



54.8321, 53.0736, 34.6396



41.5341, 53.0736, 46.4117

Rectangle

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



46.2981, 53.0736, 89.4654



55.1126, 53.0736, 88.9929



54.8321, 53.0736, 34.6396



46.0484, 53.0736, 34.8917

Sweetspot

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



46.2998, 53.0756, 89.4667



80.1798, 86.8290, 107.1415



48.0262, 69.7333, 49.3335



16.6695, 18.1386, 22.8725



0.0000, 0.0000, 0.0000



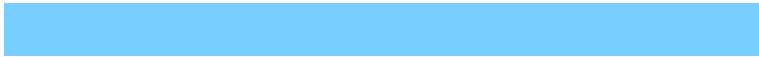
20.3446, 21.4041, 23.3091

Same Dimension

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



46.2998, 53.0756, 89.4667



47.8679, 55.3883, 102.7758



36.2795, 33.0350, 86.1266



15.7384, 16.9108, 20.1562



14.9893, 16.2029, 47.4653



1.3410, 1.5360, 3.9800

Inverse Universe

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



54.6657, 39.6195, 60.0266



59.0899, 39.1175, 62.8858



66.3554, 72.9822, 33.1455



16.1974, 15.9287, 18.5956



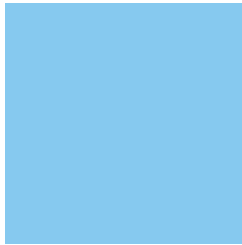
22.8915, 11.4290, 17.8773



1.9518, 0.9698, 1.7372

Previews

White Background



This preview shows how the XYZ color 46.2981, 53.0736, 89.4654 looks on a white background.

Color Contrast Check

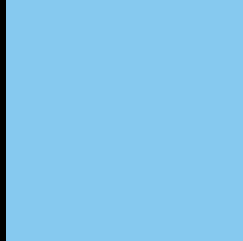
Large Text (above 18pt) WCAG AA × Fail

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 46.2981, 53.0736, 89.4654 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 46.2981, 53.0736, 89.4654

Background



This preview shows how black text looks on a background with the XYZ color 46.2981, 53.0736, 89.4654.



This preview shows how white text looks on a background with the XYZ color 46.2981, 53.0736,

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

46.2981, 53.0736, 89.4654

Protanopia

52.3657, 52.6637, 83.0064

Deuteranopia

54.0178, 52.6915, 91.3278



Tritanopia

43.6973, 53.0733, 76.3477

Trichromacy



Original Color

46.2981, 53.0736, 89.4654

Protanomaly

49.6601, 52.5234, 85.3626

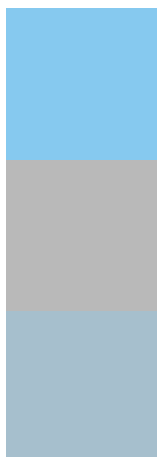
Deuteranomaly

50.6730, 52.5978, 90.7007

Tritanomaly

44.7196, 53.1386, 81.2986

Monochromacy



Original Color

46.2981, 53.0736, 89.4654

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.3761, 49.7764, 64.9738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2981, 53.0736, 89.4654 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(134, 201, 239)` looks like.

```
.text, #text, p{  
    color:rgb(134, 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(134, 201, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 201, 239) }
```

Border

The CSS property to change the border of an element to XYZ 46.2981, 53.0736, 89.4654 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(134, 201, 239) }
```


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

```
.border{ border-color:rgb(134, 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(134, 201, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 201, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 201, 239);  
box-shadow:4px 4px 4px 4px rgb(134, 201,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2981, 53.0736, 89.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 201, 239) }
```

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

```
.background{ background-color: rgb(134,  
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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