

Converting Colors

XYZ(52.3946, 71.9729, 89.7279)

Have a look what the booklet for
XYZ(52.3946, 71.9729, 89.7279)
contains.

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Color

**XYZ(52.3946, 71.9729,
89.7279)**

Conversions

Conversions Part 1

Format	Color
Hex	6AF1EB
RGB	106, 241, 235
RGB Percent	42%, 95%, 92%
CMY	0.5843, 0.0549, 0.0784
CMYK	0.56, 0.00, 0.02, 0.05
HSL	177°, 83%, 68%
HSV	177°, 56%, 95%
XYZ	52.3946, 71.9729, 89.7279
YIQ	199.9510, -78.5340, -30.4860

Conversions

Conversions Part 2

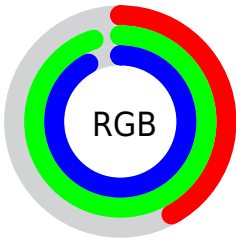
Format	Color
R_{YB}	106, 175, 241
Decimal	7008747
CIE _{Lab}	87.96, -38.11, -8.27
CIE _{LCh}	88, 39.001, 192.248
Yxy	71.9729, 0.2447, 0.3362
Android (android.graphics.Color)	4285198827 (0xFF6AF1EB)
YUV	199.9510, 17.2792, -82.3950
Hunter-Lab	84.8368, -38.2242, -3.3224

Details

The XYZ color **52.3946, 71.9729, 89.7279** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **44.3568, 30.1810, 18.8196**, and the grayscale version is **54.8033, 57.6574, 62.7889**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **25.7032, 37.7553, 48.5806** is the 20% darker color. If you saturate the color by 10%, you get **49.7692, 70.6390, 88.8008**, and if you desaturate by 10%, it is **55.8298, 73.7275, 90.7009**.

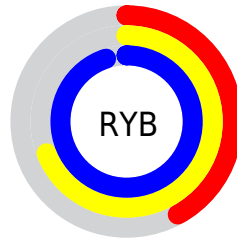
Distribution



Red (42%)

Green (95%)

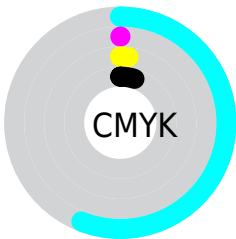
Blue (92%)



Red (42%)

Yellow (69%)

Blue (95%)

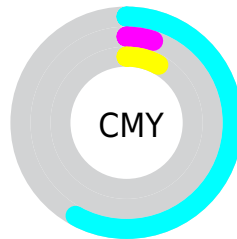


Cyan (56%)

Magenta (0%)

Yellow (2%)

Black (5%)



Cyan (58%)

Magenta (5%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3946, 71.9729, 89.7279 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 52.3946, 71.9729, 89.7279 by changing the saturation by 10% instead.

52.3946, 71.9729,
89.7279

52.3946, 71.9729,
89.7279

386.2571,
467.4473, 547.6926

37.5452, 53.1365,
67.1825

92.8837, 122.0180,
148.8926

25.8055, 37.9118,
48.7705

119.2542,
153.9955, 186.3490

16.8101, 25.9142,
34.0731

150.1957,
191.1222, 229.6129

10.1937, 16.7595,
22.6720

186.0737,
233.7825, 279.1027

5.5908, 10.0632,
14.1485

227.2535,
282.3608, 335.2370

2.6362, 5.4409,
8.0841

274.1004,

0.9644, 2.5082,

337.2414, 398.4344

4.0602

326.9798,
398.8087, 469.1134

■ 0.0000, 0.8807,
1.6584

■ 0.0000, 0.0000,
0.3320

■ 52.3946, 71.9729,
89.7279

■ 52.3946, 71.9729,
89.7279

■ 49.7692, 70.6390,
88.8008

■ 55.8298, 73.7275,
90.7009

■ 47.8779, 69.6817,
87.9114


■ 60.1296, 75.9261,
91.7177


■ 46.6417, 69.0620,
87.0575


■ 65.3517, 78.6001,
92.7825


■ 45.9603, 68.7283,
86.2343


■ 71.5468, 81.7755,
93.8978

 45.7799, 68.6422,
85.9119

 78.7619, 85.4766,
95.0656

 87.0411, 89.7262,
96.2882

 88.7990, 90.6139,
97.2105

 88.9609, 90.6786,
98.0631

 89.1237, 90.7437,
98.9206

Harmonies

Analogous

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



52.7671, 71.9729, 63.7805



52.3946, 71.9729, 89.7279



56.0190, 71.9729, 118.0393

Triad

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



52.3946, 71.9729, 89.7279



81.1346, 71.9729, 122.6625



74.0002, 71.9729, 39.0440

Complementary

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



52.3946, 71.9729, 89.7279



44.3568, 30.1810, 18.8196

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.



82.5011, 71.9729, 48.7575



52.3946, 71.9729, 89.7279



86.8696, 71.9729, 95.0217

Square

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



52.3946, 71.9729, 89.7279



72.2680, 71.9729, 139.7440



87.3912, 71.9729, 68.0066



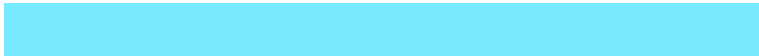
64.6881, 71.9729, 38.2504

Rectangle

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



52.3946, 71.9729, 89.7279



60.4230, 71.9729, 132.9173



87.3912, 71.9729, 68.0066



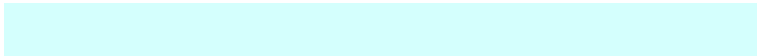
77.0674, 71.9729, 41.2518

Sweetspot

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



52.3967, 71.9757, 89.7296



80.5518, 92.5616, 106.6098



40.8371, 67.4482, 24.5040



16.9232, 19.6488, 22.7635



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.



52.3967, 71.9757, 89.7296



56.2805, 80.1521, 100.8274



38.1953, 42.1614, 89.3469



16.2152, 17.9161, 20.1563



24.8384, 37.2274, 46.6593



2.0757, 3.1007, 3.9308

Inverse Universe

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



44.3568, 30.1810, 18.8196



46.3427, 28.3922, 13.1049



52.6528, 47.2901, 19.9904



15.8013, 15.7702, 16.5098



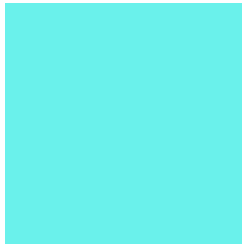
19.7162, 10.1589, 1.1561



1.6501, 0.8491, 0.1485

Previews

White Background



This preview shows how the XYZ color 52.3946, 71.9729, 89.7279 looks on a white background.

Color Contrast Check

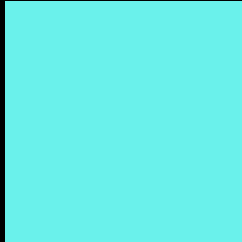
Large Text (above 18pt) WCAG AA × Fail

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 52.3946, 71.9729, 89.7279 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

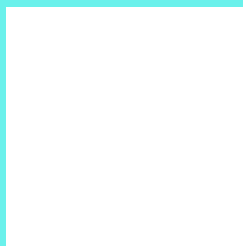
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.3946, 71.9729, 89.7279

Background



This preview shows how black text looks on a background with the XYZ color 52.3946, 71.9729, 89.7279.

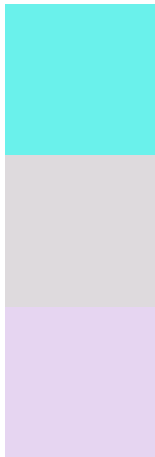


This preview shows how white text looks on a background with the XYZ color 52.3946, 71.9729,

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

52.3946, 71.9729, 89.7279

Protanopia

68.2467, 70.8929, 78.4933

Deuteranopia

72.3046, 70.7624, 93.0667



Tritanopia

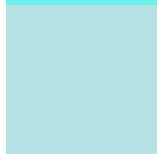
56.5026, 71.9993, 105.5270

Trichromacy



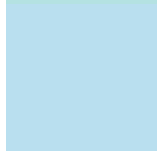
Original Color

52.3946, 71.9729, 89.7279



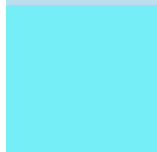
Protanomaly

59.7462, 69.5870, 82.2342



Deuteranomaly

61.9752, 69.3216, 91.7753



Tritanomaly

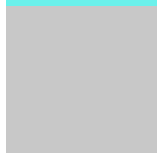
54.8539, 71.7083, 99.7569

Monochromacy



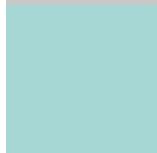
Original Color

52.3946, 71.9729, 89.7279



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.0366, 61.5120, 72.0812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3946, 71.9729, 89.7279 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(106, 241, 235)` looks like.

```
.text, #text, p{  
    color:rgb(106, 241, 235)  
}
```

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(106, 241, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 241, 235) }
```

Border

The CSS property to change the border of an element to XYZ 52.3946, 71.9729, 89.7279 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(106, 241, 235) }
```


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

```
.border{ border-color:rgb(106, 241, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 241, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 241, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 241, 235);  
box-shadow:4px 4px 4px 4px rgb(106, 241,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3946, 71.9729, 89.7279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 241, 235) }
```

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

```
.background{ background-color: rgb(106,  
241, 235) }
```

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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