

Converting Colors

XYZ(49.8980, 53.1771, 89.2970)

Have a look what the booklet for
XYZ(49.8980, 53.1771, 89.2970)
contains.

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Color

**XYZ(50.0179, 53.2889,
89.3109)**

Conversions

Conversions Part 1

Format	Color
Hex	A1C4EF
RGB	161, 196, 239
RGB Percent	63%, 77%, 94%
CMY	0.3686, 0.2314, 0.0627
CMYK	0.33, 0.18, 0.00, 0.06
HSL	213°, 71%, 78%
HSV	213°, 33%, 94%
XYZ	50.0179, 53.2889, 89.3109
YIQ	190.4370, -34.6630, 5.9530

Conversions

Conversions Part 2

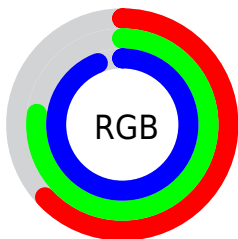
Format	Color
R_{YB}	161, 185, 239
Decimal	10601711
CIE _{Lab}	78.05, -1.69, -25.07
CIE _{LCh}	78, 25.127, 266.139
Yxy	53.2889, 0.2597, 0.2767
Android (android.graphics.Color)	4288791791 (0xFFA1C4EF)
YUV	190.4370, 23.9416, -25.8162
Hunter-Lab	72.9992, -5.4434, -21.4389

Details

The XYZ color **50.0179, 53.2889, 89.3109** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.6236, 64.1107, 42.7413**, and the grayscale version is **49.0774, 51.6332, 56.2286**.

A 20% lighter version of the original color is **81.7906, 92.2223, 108.0976**, and **24.2836, 25.8907, 48.5173** is the 20% darker color. If you saturate the color by 10%, you get **42.8118, 45.3553, 88.1603**, and if you desaturate by 10%, it is **58.4090, 62.2232, 90.5941**.

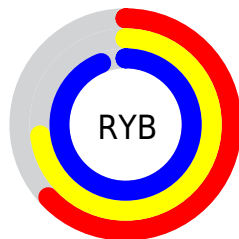
Distribution



Red (63%)

Green (77%)

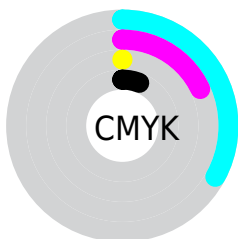
Blue (94%)



Red (63%)

Yellow (73%)

Blue (94%)

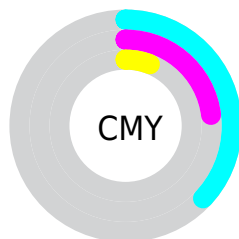


Cyan (33%)

Magenta (18%)

Yellow (0%)

Black (6%)



Cyan (37%)

Magenta (23%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0179, 53.2889, 89.3109 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 50.0179, 53.2889, 89.3109 by changing the saturation by 10% instead.

■ 50.0179, 53.2889,
89.3109

■ 50.0179, 53.2889,
89.3109

377.1868,
399.3925, 546.2988

■ 35.6455, 38.0334,
66.8388

■ 89.3931, 95.0293,
148.3080

■ 24.3294, 26.0086,
48.4928

■ 115.1265,
122.2831, 185.6700

■ 15.7042, 16.8301,
33.8546

145.3777,
154.3051, 228.8324

■ 9.4046, 10.1134,
22.5054

180.5119,
191.4798, 278.2137

■ 5.0652, 5.4742,
14.0269

220.8946,
234.1915, 334.2324

■ 2.3207, 2.5281,
8.0004

266.8911,

■ 0.8052, 0.8907,

282.8245, 397.3072

4.0074

318.8667,
337.7634, 467.8565

■ 0.0000, 0.0000,
1.6294

■ 0.0000, 0.0000,
0.3117

■ 50.0179, 53.2889,
89.3109

■ 50.0179, 53.2889,
89.3109

■ 42.8118, 45.3553,
88.1603

■ 58.4090, 62.2232,
90.5941

■ 36.7261, 38.3757,
87.1338

■ 68.0348, 72.1898,
92.0105

■ 31.6979, 32.3084,
86.2277

■ 78.9482, 83.2265,
93.5656

■ 27.6548, 27.1054,
85.4366

■ 90.6048, 95.0614,
95.2356

■ 24.5143, 22.7128,
84.7542

■ 92.5802, 99.0121,
95.8940

■ 22.1778, 19.0680,
84.1739

■ 20.8636, 16.7990,
83.8052

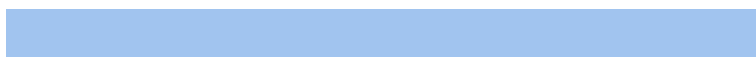
Harmonies

Analogous

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



45.5808, 53.2889, 83.4275



50.0179, 53.2889, 89.3109



54.9132, 53.2889, 85.7629

Triad

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



50.0179, 53.2889, 89.3109



59.5841, 53.2889, 46.9320



43.2241, 53.2889, 44.2534

Complementary

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



50.0179, 53.2889, 89.3109



63.6236, 64.1107, 42.7413

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.



46.6125, 53.2889, 37.0196



50.0179, 53.2889, 89.3109



56.0807, 53.2889, 38.3822

Square

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



50.0179, 53.2889, 89.3109



60.6398, 53.2889, 59.8580



51.2864, 53.2889, 35.0563



41.8215, 53.2889, 56.2250

Rectangle

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



50.0179, 53.2889, 89.3109



57.7485, 53.2889, 78.7920



51.2864, 53.2889, 35.0563



44.1575, 53.2889, 41.2669

Sweetspot

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



50.0196, 53.2910, 89.3121



81.9612, 86.8370, 107.0491



56.4529, 73.6661, 68.3090



17.1756, 18.2125, 22.8601



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.



50.0196, 53.2910, 89.3121



52.3685, 55.6333, 102.5859



43.8227, 39.7122, 87.0178



15.4813, 16.3967, 20.0705



11.6564, 9.5370, 46.3543



1.0676, 0.9892, 3.8889

Inverse Universe

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



58.3068, 47.8277, 58.3852



63.4990, 49.0646, 60.8752



71.5946, 81.9865, 45.7715



16.0676, 15.8768, 17.9123



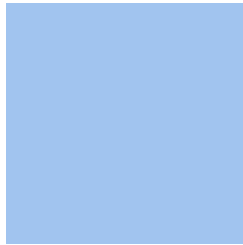
21.2092, 10.7561, 9.0183



1.8138, 0.9146, 1.0105

Previews

White Background



This preview shows how the XYZ color 50.0179, 53.2889, 89.3109 looks on a white background.

Color Contrast Check

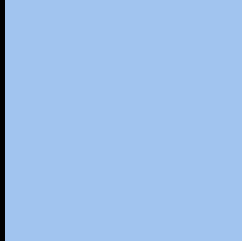
Large Text (above 18pt) WCAG AA × Fail

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 50.0179, 53.2889, 89.3109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

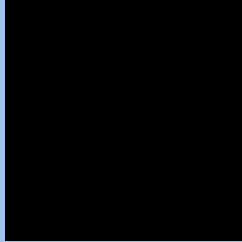
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

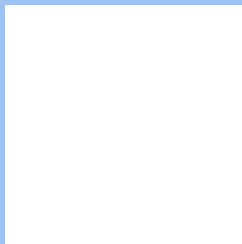
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0179, 53.2889, 89.3109

Background



This preview shows how black text looks on a background with the XYZ color 50.0179, 53.2889, 89.3109.



This preview shows how white text looks on a background with the XYZ color 50.0179, 53.2889,

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

50.0179, 53.2889, 89.3109

Protanopia

52.9176, 53.2048, 86.0778

Deuteranopia

54.5683, 53.3109, 90.6331



Tritanopia

46.7592, 53.3343, 72.7958

Trichromacy



Original Color

50.0179, 53.2889, 89.3109

Protanomaly

51.6658, 53.1947, 86.9014

Deuteranomaly

52.9379, 53.4555, 89.9659

Tritanomaly

47.9785, 53.4978, 78.3184

Monochromacy



Original Color

50.0179, 53.2889, 89.3109

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.8252, 51.8370, 67.1067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0179, 53.2889, 89.3109 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(161, 196, 239)` looks like.

```
.text, #text, p{  
    color:rgb(161, 196, 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(161, 196, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 196, 239) }
```

Border

The CSS property to change the border of an element to XYZ 50.0179, 53.2889, 89.3109 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(161, 196, 239) }
```


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

```
.border{ border-color:rgb(161, 196, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 196, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 196, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 196, 239); box-shadow:4px 4px 4px 4px rgb(161, 196, 239) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0179, 53.2889, 89.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 196, 239) }
```

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

```
.background{ background-color: rgb(161,  
196, 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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