

Converting Colors

XYZ(23.5513, 23.9285, 71.0875)

Have a look what the booklet for
XYZ(23.5513, 23.9285, 71.0875)
contains.

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Color

**XYZ(23.5513, 23.9285,
71.0875)**

Conversions

Conversions Part 1

Format	Color
Hex	3989DC
RGB	57, 137, 220
RGB Percent	22%, 54%, 86%
CMY	0.7764, 0.4627, 0.1373
CMYK	0.74, 0.38, 0.00, 0.14
HSL	211°, 70%, 54%
HSV	211°, 74%, 86%
XYZ	23.5513, 23.9285, 71.0875
YIQ	122.5420, -74.3230, 8.8530

Conversions

Conversions Part 2

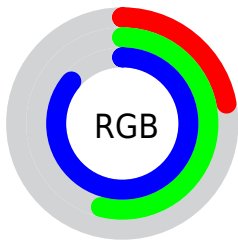
Format	Color
R_{YB}	57, 111, 220
Decimal	3770844
CIE _{Lab}	56.02, 3.63, -49.34
CIE _{LCh}	56, 49.471, 274.212
Yxy	23.9285, 0.1986, 0.2018
Android (android.graphics.Color)	4281960924 (0xFF3989DC)
YUV	122.5420, 48.0468, -57.4803
Hunter-Lab	48.9168, 0.3357, -51.9205

Details

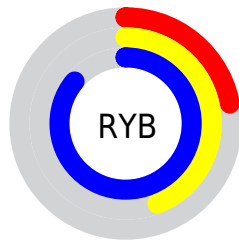
The XYZ color **23.5513, 23.9285, 71.0875** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **39.6340, 34.2709, 8.3985**, and the grayscale version is **18.5424, 19.5080, 21.2442**.

A 20% lighter version of the original color is **44.7756, 48.3320, 101.5768**, and **10.1906, 9.6598, 36.4494** is the 20% darker color. If you saturate the color by 10%, you get **21.0470, 20.3950, 70.5380**, and if you desaturate by 10%, it is **26.7659, 28.0742, 71.7188**.

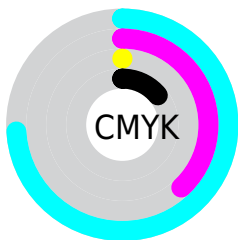
Distribution



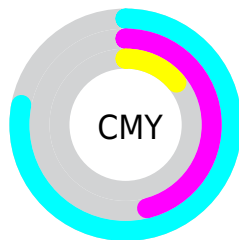
- Red (22%)
- Green (54%)
- Blue (86%)



- Red (22%)
- Yellow (44%)
- Blue (86%)



- Cyan (74%)
- Magenta (38%)
- Yellow (0%)
- Black (14%)



- Cyan (78%)
- Magenta (46%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5513, 23.9285, 71.0875 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 23.5513, 23.9285, 71.0875 by changing the saturation by 10% instead.

■ 23.5513, 23.9285,
71.0875

■ 23.5513, 23.9285,
71.0875

263.0269,
272.4588, 483.2512

■ 15.1240, 15.2806,
51.9313

■ 48.7570, 49.9135,
122.4539

■ 8.9934, 9.0165,
36.5685

■ 66.2662, 68.0194,
155.5013

■ 4.7939, 4.7520,
24.5804

■ 87.5334, 90.0467,
194.0161

■ 2.1604, 2.1025,
15.5485

■ 112.9239,
116.3799, 238.4169

■ 0.7217, 0.6660,
9.0544

■ 142.8032,
147.4033, 289.1223

■ 0.0000, 0.0000,
4.6794

177.5365,

■ 0.0000, 0.0000,

183.5013, 346.5508

2.0050

217.4893,
225.0583, 411.1209

■ 0.0000, 0.0000,
0.5583

■ 0.0000, 0.0000,
0.0000

■ 23.5513, 23.9285,
71.0875

■ 23.5513, 23.9285,
71.0875

■ 21.0470, 20.3950,
70.5380

■ 26.7659, 28.0742,
71.7188

■ 19.1692, 17.4223,
70.0632

■ 30.7550, 32.8715,
72.4345

■ 18.2776, 15.8859,
69.8136

■ 35.5781, 38.3583,
73.2394

■ 41.2876, 44.5681,
74.1371

■ 47.9312, 51.5318,
75.1310

■ 55.5531, 59.2785,
76.2246

■ 64.1945, 67.8351,
77.4207

■ 73.8940, 77.2275,
78.7224

■ 84.6835, 87.4776,
80.1322

Harmonies

Analogous

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



18.3331, 23.9285, 65.3570



23.5513, 23.9285, 71.0875



29.4214, 23.9285, 61.2248

Triad

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



23.5513, 23.9285, 71.0875



32.9729, 23.9285, 12.1740



14.2902, 23.9285, 14.7185

Complementary

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



23.5513, 23.9285, 71.0875



39.6340, 34.2709, 8.3985

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.



17.1609, 23.9285, 7.8541



23.5513, 23.9285, 71.0875



27.8096, 23.9285, 6.8701

Square

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



23.5513, 23.9285, 71.0875



35.4028, 23.9285, 23.8332



21.9540, 23.9285, 5.7025



13.5311, 23.9285, 28.4088

Rectangle

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



23.5513, 23.9285, 71.0875



32.7535, 23.9285, 48.8385



21.9540, 23.9285, 5.7025



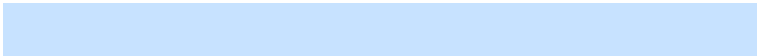
15.0138, 23.9285, 11.7562

Sweetspot

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



23.5523, 23.9293, 71.0881



68.8906, 73.9764, 105.2557



31.9056, 53.9067, 32.9609



14.1585, 15.2295, 22.4433



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.



23.5523, 23.9293, 71.0881



27.8251, 26.0573, 98.1708



16.0701, 8.9650, 68.5941



12.8637, 13.6671, 16.6122



10.8379, 9.5452, 41.0096



0.7882, 0.7906, 2.6855

Inverse Universe

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



35.4946, 19.9494, 25.6473



46.3481, 23.9695, 26.7746



55.8476, 66.6981, 13.8030



13.3211, 13.1575, 14.9519



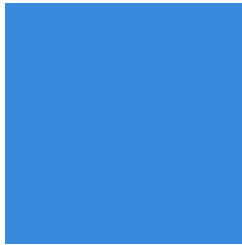
18.9658, 9.5874, 9.4658



1.2722, 0.6385, 0.8421

Previews

White Background



This preview shows how the XYZ color 23.5513, 23.9285, 71.0875 looks on a white background.

Color Contrast Check

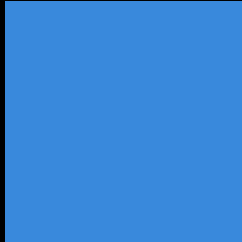
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5513, 23.9285, 71.0875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

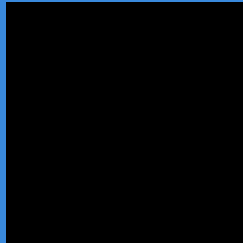
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

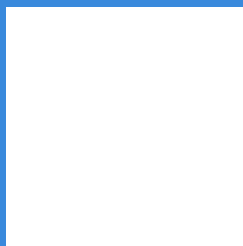
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5513, 23.9285, 71.0875

Background



This preview shows how black text looks on a background with the XYZ color 23.5513, 23.9285, 71.0875.



This preview shows how white text looks on a background with the XYZ color 23.5513, 23.9285,

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

23.5513, 23.9285, 71.0875

Protanopia

25.6207, 23.8543, 66.8723

Deuteranopia

24.6368, 23.8484, 71.7113



Tritanopia

16.9351, 23.7179, 36.9431

Trichromacy



Original Color

23.5513, 23.9285, 71.0875

Protanomaly

24.5285, 23.6642, 68.2406

Deuteranomaly

24.2409, 23.8505, 71.7326

Tritanomaly

18.7260, 23.4833, 47.8017

Monochromacy



Original Color

23.5513, 23.9285, 71.0875

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.0363, 20.5596, 35.3128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5513, 23.9285, 71.0875 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(57, 137, 220)` looks like.

```
.text, #text, p{  
    color:rgb(57, 137, 220)  
}
```

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(57, 137, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 137, 220) }
```

Border

The CSS property to change the border of an element to XYZ 23.5513, 23.9285, 71.0875 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(57, 137, 220) }
```


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

```
.border{ border-color:rgb(57, 137, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 137, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 137, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 137, 220);  
box-shadow:4px 4px 4px 4px rgb(57, 137,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5513, 23.9285, 71.0875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 137, 220) }
```

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

```
.background{ background-color: rgb(57, 137,  
220) }
```

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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