

Converting Colors

XYZ(51.7258, 51.7866, 99.0163)

Have a look what the booklet for
XYZ(51.7258, 51.7866, 99.0163)
contains.

XYZ(51.7046, 51.6390, 99.3376)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.7046, 51.6390,
99.3376)**

Conversions

Conversions Part 1

Format	Color
Hex	A7BDFC
RGB	167, 189, 252
RGB Percent	65%, 74%, 99%
CMY	0.3451, 0.2588, 0.0118
CMYK	0.34, 0.25, 0.00, 0.01
HSL	224°, 93%, 82%
HSV	224°, 34%, 99%
XYZ	51.7046, 51.6390, 99.3376
YIQ	189.6040, -33.3350, 14.9290

Conversions

Conversions Part 2

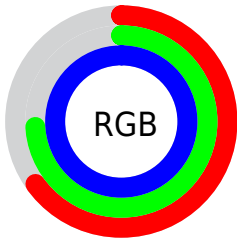
Format	Color
RYB	167, 184, 252
Decimal	10993148
CIELab	77.06, 7.02, -33.52
CIELCh	77, 34.248, 281.833
Yxy	51.6390, 0.2551, 0.2548
Android (android.graphics.Color)	4289183228 (0xFFA7BDFC)
YUV	189.6040, 30.7612, -19.8237
Hunter-Lab	71.8603, 2.6781, -31.6586

Details

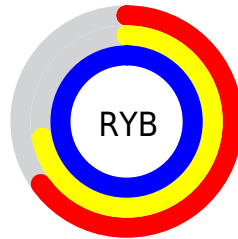
The XYZ color **51.7046, 51.6390, 99.3376** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.4177, 80.0799, 48.0429**, and the grayscale version is **48.5600, 51.0889, 55.6358**.

A 20% lighter version of the original color is **81.4429, 88.3721, 107.3728**, and **25.3366, 24.9932, 55.1185** is the 20% darker color. If you saturate the color by 10%, you get **43.1284, 41.6337, 97.8593**, and if you desaturate by 10%, it is **61.8389, 63.2178, 101.0393**.

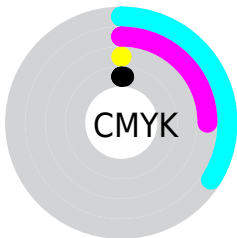
Distribution



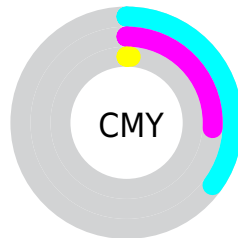
- Red (65%)
- Green (74%)
- Blue (99%)



- Red (65%)
- Yellow (72%)
- Blue (99%)



- Cyan (34%)
- Magenta (25%)
- Yellow (0%)
- Black (1%)



- Cyan (35%)
- Magenta (26%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7046, 51.6390, 99.3376 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 51.7046, 51.6390, 99.3376 by changing the saturation by 10% instead.

■ 51.7046, 51.6390,
99.3376

■ 51.7046, 51.6390,
99.3376

383.6379,
393.0414, 579.2954

■ 36.9930, 36.7174,
75.1337

■ 91.8723, 92.5986,
162.2905

■ 25.3757, 24.9888,
55.2200

■ 118.0590,
119.4054, 201.8766

■ 16.4874, 16.0687,
39.1781

148.8015,
150.9428, 247.4271

■ 9.9627, 9.5728,
26.5894

184.4651,
187.5951, 299.3606

■ 5.4363, 5.1166,
17.0354

225.4152,
229.7467, 358.0957

■ 2.5428, 2.3159,
10.0975

272.0171,

■ 0.9169, 0.7821,

277.7820, 424.0508

5.3572

324.6362,
332.0854, 497.6445

■ 0.0000, 0.0000,
2.3960

■ 0.0000, 0.0000,
0.7842

■ 51.7046, 51.6390,
99.3376

■ 51.7046, 51.6390,
99.3376

■ 43.1284, 41.6337,
97.8593

■ 61.8389, 63.2178,
101.0393

■ 36.0251, 33.1254,
96.5914

■ 73.6003, 76.4300,
102.9696

■ 30.3087, 26.0402,
95.5251

■ 87.0597, 91.3393,
105.1380

■ 25.8818, 20.2947,
94.6495

94.5709, 99.8083,
106.3768

■ 22.6334, 15.7957,
93.9523

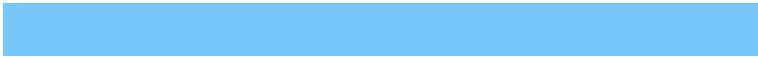
■ 20.4308, 12.4360,
93.4199

■ 19.4742, 10.8350,
93.1613

Harmonies

Analogous

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



45.2653, 51.6390, 97.8406



51.7046, 51.6390, 99.3376



57.9523, 51.6390, 87.5435

Triad

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



51.7046, 51.6390, 99.3376



59.0564, 51.6390, 35.4697



38.0796, 51.6390, 45.7315

Complementary

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



51.7046, 51.6390, 99.3376



75.4177, 80.0799, 48.0429

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.



41.1652, 51.6390, 33.4408



51.7046, 51.6390, 99.3376



53.1060, 51.6390, 28.4864

Square

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



51.7046, 51.6390, 99.3376



62.4421, 51.6390, 49.1617



46.5483, 51.6390, 27.8372



37.7769, 51.6390, 63.9368

Rectangle

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



51.7046, 51.6390, 99.3376



61.0188, 51.6390, 74.9905



46.5483, 51.6390, 27.8372



38.8121, 51.6390, 40.8861

Sweetspot

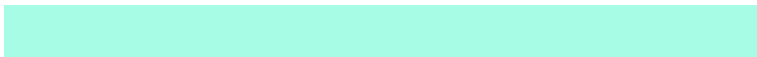
The Sweet Spot groups the original color and five complimentary colors.



51.7063, 51.6410, 99.3388



80.5472, 84.0090, 106.5778



64.9375, 83.5132, 87.0713



16.8349, 17.5310, 22.7465



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.



51.7063, 51.6410, 99.3388



47.3875, 46.3935, 101.0650



51.8437, 45.2112, 98.0905



16.6482, 17.3733, 21.8612



10.2445, 5.8445, 48.5617



1.0306, 0.7050, 4.5249

Inverse Universe

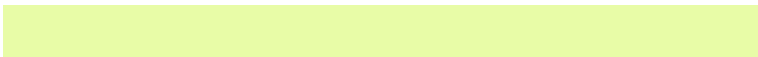
The Inverse Universe completely reimagines the original color for something new.



63.1503, 52.0086, 54.8565



60.8085, 47.3134, 48.7882



75.1195, 89.5956, 49.8954



17.4290, 17.2989, 18.8488



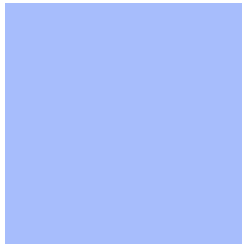
21.4630, 11.0009, 3.8804



2.0291, 1.0354, 0.5769

Previews

White Background



This preview shows how the XYZ color 51.7046, 51.6390, 99.3376 looks on a white background.

Color Contrast Check

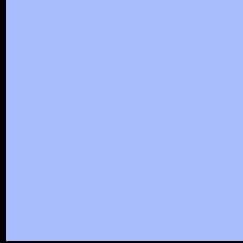
Large Text (above 18pt) WCAG AA × Fail

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 51.7046, 51.6390, 99.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

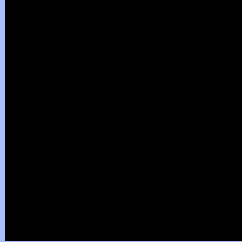
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7046, 51.6390, 99.3376

Background



This preview shows how black text looks on a background with the XYZ color 51.7046, 51.6390, 99.3376.



This preview shows how white text looks on a background with the XYZ color 51.7046, 51.6390,

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

51.7046, 51.6390, 99.3376

Protanopia

52.6294, 51.8157, 98.4944

Deuteranopia

52.7966, 51.5676, 99.2663



Tritanopia

45.7241, 51.5024, 69.8184

Trichromacy



Original Color

51.7046, 51.6390, 99.3376

Protanomaly

52.1904, 51.5894, 98.4738

Deuteranomaly

52.3485, 51.6526, 99.3064

Tritanomaly

47.6330, 51.2630, 80.0573

Monochromacy



Original Color

51.7046, 51.6390, 99.3376

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.7151, 51.5761, 70.2857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7046, 51.6390, 99.3376 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(167, 189, 252)` looks like.

```
.text, #text, p{  
    color:rgb(167, 189, 252)  
}
```

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(167, 189, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 189, 252) }
```

Border

The CSS property to change the border of an element to XYZ 51.7046, 51.6390, 99.3376 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(167, 189, 252) }
```


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

```
.border{ border-color:rgb(167, 189, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 189, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 189, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 189, 252);  
box-shadow:4px 4px 4px 4px rgb(167, 189,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7046, 51.6390, 99.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 189, 252) }
```

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

```
.background{ background-color: rgb(167,  
189, 252) }
```

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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