

Converting Colors

XYZ(52.3351, 51.0677, 96.7127)

Have a look what the booklet for
XYZ(52.3351, 51.0677, 96.7127)
contains.

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Color

**XYZ(52.3370, 51.0713,
96.7218)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBAF9
RGB	175, 186, 249
RGB Percent	69%, 73%, 98%
CMY	0.3137, 0.2706, 0.0235
CMYK	0.30, 0.25, 0.00, 0.02
HSL	231°, 86%, 83%
HSV	231°, 30%, 98%
XYZ	52.3370, 51.0713, 96.7218
YIQ	189.8930, -26.7790, 17.2610

Conversions

Conversions Part 2

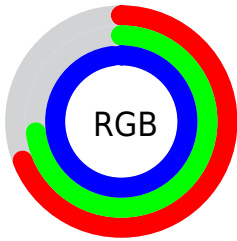
Format	Color
R _Y B	175, 185, 249
Decimal	11516665
CIE Lab	76.72, 10.16, -32.39
CIE LCh	77, 33.947, 287.407
Yxy	51.0713, 0.2615, 0.2552
Android (android.graphics.Color)	4289706745 (0xFFAFBAF9)
YUV	189.8930, 29.1398, -13.0612
Hunter-Lab	71.4642, 5.6627, -30.2200

Details

The XYZ color **52.3370, 51.0713, 96.7218** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.3804, 84.3849, 52.7688**, and the grayscale version is **48.7321, 51.2699, 55.8329**.

A 20% lighter version of the original color is **83.0808, 87.8801, 107.1915**, and **25.7871, 24.6458, 53.2672** is the 20% darker color. If you saturate the color by 10%, you get **43.1157, 40.1734, 95.1052**, and if you desaturate by 10%, it is **63.2546, 63.8294, 98.6098**.

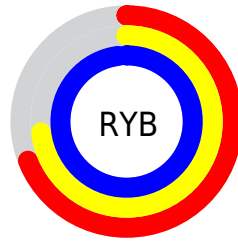
Distribution



Red (69%)

Green (73%)

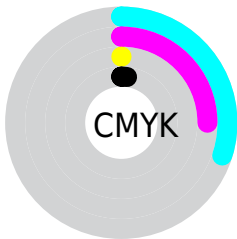
Blue (98%)



Red (69%)

Yellow (73%)

Blue (98%)

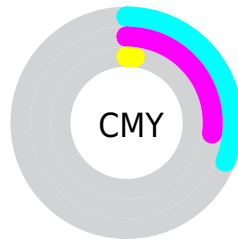


Cyan (30%)

Magenta (25%)

Yellow (0%)

Black (2%)



Cyan (31%)

Magenta (27%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3370, 51.0713, 96.7218 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 52.3370, 51.0713, 96.7218 by changing the saturation by 10% instead.

■ 52.3370, 51.0713,
96.7218

■ 52.3370, 51.0713,
96.7218

386.0389,
390.8407, 570.7871

■ 37.4991, 36.2654,
72.9641

■ 92.7993, 91.7602,
158.6572

■ 25.7696, 24.6392,
53.4549

119.1545,
118.4119, 197.6719

■ 16.7831, 15.8085,
37.7759

150.0795,
149.7809, 242.6094

■ 10.1743, 9.3887,
25.5083

185.9396,
186.2518, 293.8882

■ 5.5779, 4.9956,
16.2337

227.1003,
228.2088, 351.9268

■ 2.6283, 2.2447,
9.5335

273.9268,

■ 0.9604, 0.7442,

276.0364, 417.1438

4.9893

326.7845,
330.1189, 489.9577

■ 0.0000, 0.0000,
2.1823

■ 0.0000, 0.0000,
0.6641

■ 52.3370, 51.0713,
96.7218

■ 52.3370, 51.0713,
96.7218

■ 43.1157, 40.1734,
95.1052

■ 63.2546, 63.8294,
98.6098

■ 35.4999, 31.0424,
93.7441

■ 75.9430, 78.5232,
100.7773

■ 29.3979, 23.5857,
92.6265

■ 90.4786, 95.2315,
103.2362

■ 24.7063, 17.6998,
91.7376

■ 94.0990, 99.6196,
103.8924

■ 21.3088, 13.2694,
91.0616

■ 19.0693, 10.1627,
90.5799

■ 17.7887, 8.2058,
90.2697

■ 17.7611, 8.1637,
90.2630

Harmonies

Analogous

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



45.8947, 51.0713, 97.8401



52.3370, 51.0713, 96.7218



58.2291, 51.0713, 83.1931

Triad

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



52.3370, 51.0713, 96.7218



57.4034, 51.0713, 33.3933



37.4431, 51.0713, 48.2368

Complementary

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



52.3370, 51.0713, 96.7218



77.3804, 84.3849, 52.7688

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.



39.9932, 51.0713, 34.9137



52.3370, 51.0713, 96.7218



51.2887, 51.0713, 27.7054

Square

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



52.3370, 51.0713, 96.7218



61.3269, 51.0713, 45.6692



44.9345, 51.0713, 28.1923



37.6697, 51.0713, 66.8932

Rectangle

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



52.3370, 51.0713, 96.7218



60.8807, 51.0713, 70.3576



44.9345, 51.0713, 28.1923



37.9939, 51.0713, 43.0787

Sweetspot

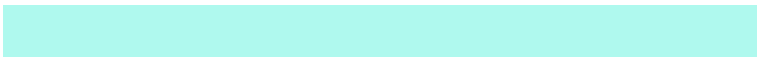
The Sweet Spot groups the original color and five complimentary colors.



52.3387, 51.0733, 96.7230



81.1856, 84.0655, 106.5551



66.9741, 83.0336, 93.3102



16.9295, 17.4772, 22.7311



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.



52.3387, 51.0733, 96.7230



48.8871, 46.4113, 100.9894



56.4910, 49.9050, 96.2786



16.4912, 17.0593, 21.8089



9.5692, 4.4940, 48.3366



0.9465, 0.5366, 4.4969

Inverse Universe

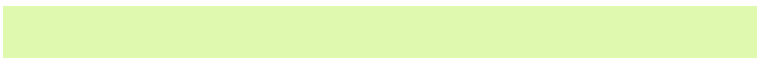
The Inverse Universe completely reimagines the original color for something new.



63.2613, 54.3466, 53.6121



62.2932, 50.6937, 48.0164



72.0771, 86.5515, 53.4665



17.3497, 17.2673, 18.4315



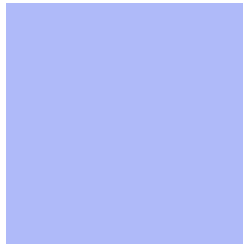
21.1221, 10.8646, 2.0856



1.9866, 1.0184, 0.3531

Previews

White Background



This preview shows how the XYZ color 52.3370, 51.0713, 96.7218 looks on a white background.

Color Contrast Check

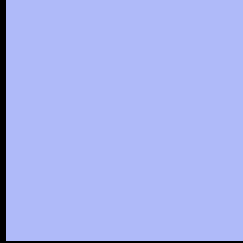
Large Text (above 18pt) WCAG AA × Fail

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 52.3370, 51.0713, 96.7218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

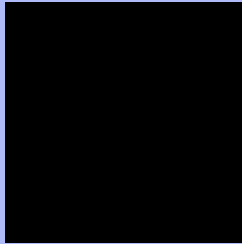
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.3370, 51.0713, 96.7218

Background



This preview shows how black text looks on a background with the XYZ color 52.3370, 51.0713, 96.7218.



This preview shows how white text looks on a background with the XYZ color 52.3370, 51.0713,

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

52.3370, 51.0713, 96.7218

Protanopia

52.0389, 51.2134, 97.5849

Deuteranopia

52.3370, 51.0713, 96.7218



Tritanopia

46.5149, 50.9589, 67.7060

Trichromacy



Original Color

52.3370, 51.0713, 96.7218

Protanomaly

52.2592, 51.3270, 97.5952

Deuteranomaly

52.3370, 51.0713, 96.7218

Tritanomaly

48.4456, 50.7548, 77.7643

Monochromacy



Original Color

52.3370, 51.0713, 96.7218

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.9631, 51.4126, 68.9183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3370, 51.0713, 96.7218 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(175, 186, 249)` looks like.

```
.text, #text, p{  
    color:rgb(175, 186, 249)  
}
```

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(175, 186, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 186, 249) }
```

Border

The CSS property to change the border of an element to XYZ 52.3370, 51.0713, 96.7218 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(175, 186, 249) }
```


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

```
.border{ border-color:rgb(175, 186, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 186, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 186, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 186, 249);  
box-shadow:4px 4px 4px 4px rgb(175, 186,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3370, 51.0713, 96.7218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 186, 249) }
```

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

```
.background{ background-color: rgb(175,  
186, 249) }
```

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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