

Converting Colors

XYZ(51.5698, 52.2303, 77.6901)

Have a look what the booklet for
XYZ(51.5698, 52.2303, 77.6901)
contains.

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Color

**XYZ(51.6352, 52.3991,
77.9136)**

Conversions

Conversions Part 1

Format	Color
Hex	B8BEE0
RGB	184, 190, 224
RGB Percent	72%, 75%, 88%
CMY	0.2784, 0.2549, 0.1216
CMYK	0.18, 0.15, 0.00, 0.12
HSL	231°, 39%, 80%
HSV	231°, 18%, 88%
XYZ	51.6352, 52.3991, 77.9136
YIQ	192.0820, -14.4900, 9.3020

Conversions

Conversions Part 2

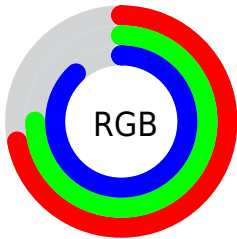
Format	Color
R_{YB}	184, 189, 224
Decimal	12107488
CIE _{Lab}	77.52, 4.88, -17.65
CIE _{LCh}	78, 18.311, 285.462
Yxy	52.3991, 0.2838, 0.2880
Android (android.graphics.Color)	4290297568 (0xFFB8BEE0)
YUV	192.0820, 15.7356, -7.0879
Hunter-Lab	72.3872, 0.6498, -13.1454

Details

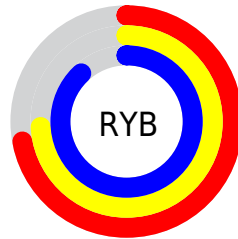
The XYZ color **51.6352, 52.3991, 77.9136** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.4641, 69.4508, 55.3564**, and the grayscale version is **50.0692, 52.6767, 57.3649**.

A 20% lighter version of the original color is **86.9409, 91.6568, 107.7170**, and **25.4672, 25.5812, 41.1315** is the 20% darker color. If you saturate the color by 10%, you get **42.8307, 42.1343, 76.3972**, and if you desaturate by 10%, it is **61.8313, 64.1835, 79.6517**.

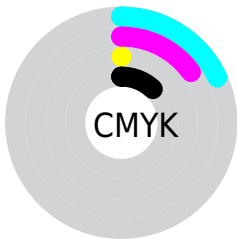
Distribution



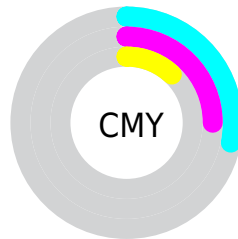
- Red (72%)
- Green (75%)
- Blue (88%)



- Red (72%)
- Yellow (74%)
- Blue (88%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)
- Black (12%)



- Cyan (28%)
- Magenta (25%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6352, 52.3991, 77.9136 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 51.6352, 52.3991, 77.9136 by changing the saturation by 10% instead.

■ 51.6352, 52.3991,
77.9136

■ 51.6352, 52.3991,
77.9136

383.3738,
395.9754, 507.3935

■ 36.9375, 37.3233,
57.4870

■ 91.7704, 93.7196,
132.2131

■ 25.3325, 25.4579,
40.9844

117.9386,
120.7330, 166.9230

■ 16.4550, 16.4185,
27.9873

148.6611,
152.4944, 207.2311

■ 9.9396, 9.8208,
18.0771

184.3031,
189.3883, 253.5560

■ 5.4209, 5.2803,
10.8353

225.2300,
231.7989, 306.3161

■ 2.5335, 2.4126,
5.8434

271.8072,

■ 0.9122, 0.8324,

280.1107, 365.9301

2.6829

324.4000,
334.7081, 432.8163

■ 0.0000, 0.0000,
0.9348

■ 0.0000, 0.0000,
0.0000

■ 51.6352, 52.3991,
77.9136

■ 51.6352, 52.3991,
77.9136

■ 42.8307, 42.1343,
76.3972

■ 61.8313, 64.1835,
79.6517

■ 35.3522, 33.3208,
75.0902

■ 73.4709, 77.5395,
81.6162

■ 29.1363, 25.8943,
73.9843

■ 86.6093, 92.5245,
83.8161

■ 24.1123, 19.7833,
73.0696

■ 90.4547, 98.1619,
84.7015

■ 20.2024, 14.9097,
72.3350

■ 17.3192, 11.1872,
71.7684

■ 15.3619, 8.5174,
71.3562

■ 14.1981, 6.7795,
71.0821

■ 14.0157, 6.5038,
71.0385

Harmonies

Analogous

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



48.1194, 52.3991, 78.0135



51.6352, 52.3991, 77.9136



54.7999, 52.3991, 71.8020

Triad

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



51.6352, 52.3991, 77.9136



54.7175, 52.3991, 44.2899



43.5186, 52.3991, 52.3120

Complementary

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



51.6352, 52.3991, 77.9136



64.4641, 69.4508, 55.3564

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.



45.1209, 52.3991, 44.4773



51.6352, 52.3991, 77.9136



51.5270, 52.3991, 40.2307

Square

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



51.6352, 52.3991, 77.9136



56.6359, 52.3991, 52.0270



48.0162, 52.3991, 40.2950



43.5445, 52.3991, 62.3942

Rectangle

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



51.6352, 52.3991, 77.9136



56.2366, 52.3991, 65.5130



48.0162, 52.3991, 40.2950



43.8812, 52.3991, 49.3559

Sweetspot

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



51.6368, 52.4013, 77.9148



87.1536, 90.9411, 107.5676



58.9917, 68.5298, 75.9925



18.4255, 19.2020, 22.9852



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.



51.6368, 52.4013, 77.9148



65.1782, 65.5393, 103.8228



53.7096, 51.5795, 77.6469



13.1172, 13.5736, 17.3163



8.2099, 3.8893, 41.3664



0.6217, 0.3750, 2.8848

Inverse Universe

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



57.1766, 53.8474, 56.0976



73.8005, 67.8709, 69.8477



62.0770, 70.5727, 55.6988



13.7906, 13.7339, 14.6677



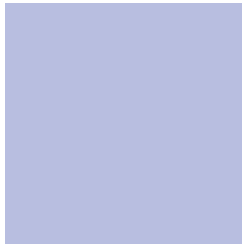
18.0842, 9.3007, 1.8430



1.2801, 0.6553, 0.2678

Previews

White Background



This preview shows how the XYZ color 51.6352, 52.3991, 77.9136 looks on a white background.

Color Contrast Check

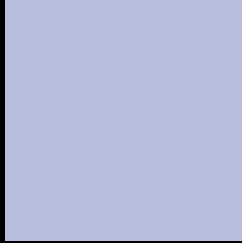
Large Text (above 18pt) WCAG AA × Fail

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 51.6352, 52.3991, 77.9136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

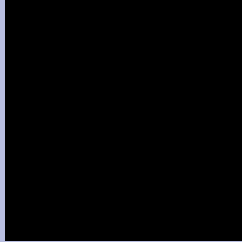
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6352, 52.3991, 77.9136

Background



This preview shows how black text looks on a background with the XYZ color 51.6352, 52.3991, 77.9136.



This preview shows how white text looks on a background with the XYZ color 51.6352, 52.3991,

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

51.6352, 52.3991, 77.9136

Protanopia

51.8756, 52.5230, 77.9248

Deuteranopia

53.6091, 52.4462, 78.5318



Tritanopia

49.5112, 52.5178, 67.2019

Trichromacy



Original Color

51.6352, 52.3991, 77.9136

Protanomaly

51.8756, 52.5230, 77.9248

Deuteranomaly

52.8090, 52.3498, 78.5554

Tritanomaly

50.2786, 52.4994, 71.1018

Monochromacy



Original Color

51.6352, 52.3991, 77.9136

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.5162, 52.4401, 64.5862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6352, 52.3991, 77.9136 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(184, 190, 224)` looks like.

```
.text, #text, p{  
    color:rgb(184, 190, 224)  
}
```

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(184, 190, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 190, 224) }
```

Border

The CSS property to change the border of an element to XYZ 51.6352, 52.3991, 77.9136 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(184, 190, 224) }
```


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

```
.border{ border-color:rgb(184, 190, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 190, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 190, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 190, 224);  
box-shadow:4px 4px 4px 4px rgb(184, 190,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6352, 52.3991, 77.9136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 190, 224) }
```

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

```
.background{ background-color: rgb(184,  
190, 224) }
```

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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