

Converting Colors

XYZ(51.3164, 52.3297, 77.7475)

Have a look what the booklet for
XYZ(51.3164, 52.3297, 77.7475)
contains.

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Color

**XYZ(51.3964, 52.2760,
77.9024)**

Conversions

Conversions Part 1

Format	Color
Hex	B7BEE0
RGB	183, 190, 224
RGB Percent	72%, 75%, 88%
CMY	0.2823, 0.2549, 0.1216
CMYK	0.18, 0.15, 0.00, 0.12
HSL	230°, 40%, 80%
HSV	230°, 18%, 88%
XYZ	51.3964, 52.2760, 77.9024
YIQ	191.7830, -15.0860, 9.0900

Conversions

Conversions Part 2

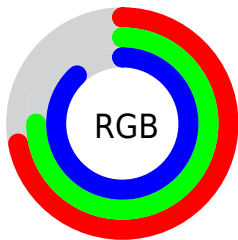
Format	Color
R_{YB}	183, 189, 224
Decimal	12041952
CIE _{Lab}	77.45, 4.57, -17.77
CIE _{LCh}	77, 18.344, 284.418
Yxy	52.2760, 0.2831, 0.2879
Android (android.graphics.Color)	4290232032 (0xFFB7BEE0)
YUV	191.7830, 15.8830, -7.7027
Hunter-Lab	72.3021, 0.3590, -13.2709

Details

The XYZ color **51.3964, 52.2760, 77.9024** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.1009, 68.8917, 54.7199**, and the grayscale version is **49.8943, 52.4927, 57.1646**.

A 20% lighter version of the original color is **86.6024, 91.4823, 107.7011**, and **25.3130, 25.5017, 41.1243** is the 20% darker color. If you saturate the color by 10%, you get **42.7168, 42.2061, 76.4170**, and if you desaturate by 10%, it is **61.4399, 63.8127, 79.6007**.

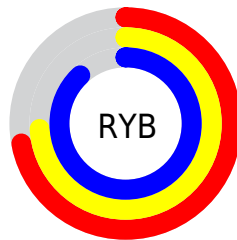
Distribution



Red (72%)

Green (75%)

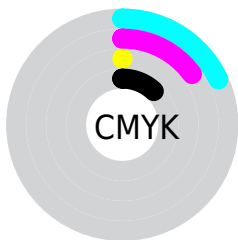
Blue (88%)



Red (72%)

Yellow (74%)

Blue (88%)

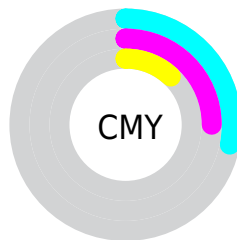


Cyan (18%)

Magenta (15%)

Yellow (0%)

Black (12%)



Cyan (28%)

Magenta (25%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3964, 52.2760, 77.9024 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 51.3964, 52.2760, 77.9024 by changing the saturation by 10% instead.

■ 51.3964, 52.2760,
77.9024

■ 51.3964, 52.2760,
77.9024

382.4643,
395.5012, 507.3544

■ 36.7465, 37.2251,
57.4778

■ 91.4200, 93.5382,
132.1971

■ 25.1841, 25.3818,
40.9771

117.5243,
120.5182, 166.9044

■ 16.3437, 16.3618,
27.9816

148.1776,
152.2435, 207.2096

■ 9.8601, 9.7805,
18.0729

183.7450,
189.0983, 253.5314

■ 5.3678, 5.2537,
10.8323

224.5921,
231.4671, 306.2882

■ 2.5016, 2.3969,
5.8415

271.0841,

■ 0.8961, 0.8243,

279.7342, 365.8986

2.6817

323.5863,
334.2841, 432.7812

■ 0.0000, 0.0000,
0.9342

■ 0.0000, 0.0000,
0.0000

■ 51.3964, 52.2760,
77.9024

■ 51.3964, 52.2760,
77.9024

■ 42.7168, 42.2061,
76.4170

■ 61.4399, 63.8127,
79.6007

■ 35.3369, 33.5375,
75.1328

■ 72.8979, 76.8656,
81.5163

■ 29.1948, 26.2092,
74.0420

■ 85.8246, 91.4893,
83.6576

■ 24.2212, 20.1532,
73.1352

■ 90.4547, 98.1619,
84.7015

■ 20.3402, 15.2953,
72.4021

■ 17.4663, 11.5533,
71.8313

■ 15.5008, 8.8341,
71.4100

■ 14.3094, 7.0207,
71.1228

■ 14.1560, 6.7846,
71.0853

Harmonies

Analogous

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



47.8855, 52.2760, 77.7765



51.3964, 52.2760, 77.9024



54.5912, 52.2760, 71.9663

Triad

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



51.3964, 52.2760, 77.9024



54.6950, 52.2760, 44.3677



43.4302, 52.2760, 51.8553

Complementary

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



51.3964, 52.2760, 77.9024



64.1009, 68.8917, 54.7199

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.



45.0853, 52.2760, 44.1317



51.3964, 52.2760, 77.9024



51.5327, 52.2760, 40.1707

Square

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



51.3964, 52.2760, 77.9024



56.5559, 52.2760, 52.2145



48.0155, 52.2760, 40.0898



43.3976, 52.2760, 61.8994

Rectangle

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



51.3964, 52.2760, 77.9024



56.0650, 52.2760, 65.7343



48.0155, 52.2760, 40.0898



43.8116, 52.2760, 48.9305

Sweetspot

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



51.3980, 52.2781, 77.9036



87.2333, 91.1005, 107.5942



58.6424, 68.3625, 75.3993



18.4448, 19.2405, 22.9916



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.



51.3980, 52.2781, 77.9036



64.2500, 64.6951, 103.7088



53.1497, 50.9835, 77.5614



13.1403, 13.6197, 17.3240



8.2971, 4.0637, 41.3954



0.6327, 0.3968, 2.8885

Inverse Universe

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



56.9695, 53.4332, 56.0286



73.0849, 66.6386, 68.9959



62.0726, 70.5825, 55.1531



13.8023, 13.7385, 14.7290



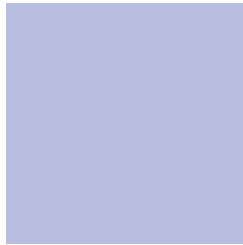
18.1282, 9.3183, 2.0748



1.2856, 0.6575, 0.2968

Previews

White Background



This preview shows how the XYZ color 51.3964, 52.2760, 77.9024 looks on a white background.

Color Contrast Check

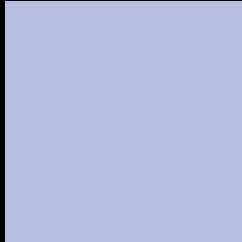
Large Text (above 18pt) WCAG AA × Fail

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 51.3964, 52.2760, 77.9024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

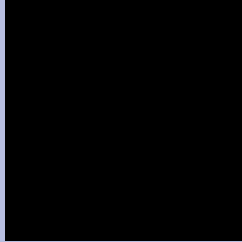
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3964, 52.2760, 77.9024

Background



This preview shows how black text looks on a background with the XYZ color 51.3964, 52.2760, 77.9024.



This preview shows how white text looks on a background with the XYZ color 51.3964, 52.2760,

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

51.3964, 52.2760, 77.9024

Protanopia

51.8756, 52.5230, 77.9248

Deuteranopia

53.3532, 52.3143, 78.5198



Tritanopia

49.2775, 52.3973, 67.1910

Trichromacy



Original Color

51.3964, 52.2760, 77.9024

Protanomaly

51.6352, 52.3991, 77.9136

Deuteranomaly

52.5601, 52.2215, 78.5437

Tritanomaly

50.0433, 52.3781, 71.0907

Monochromacy



Original Color

51.3964, 52.2760, 77.9024

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 51.3964, 52.2760, 77.9024 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(183, 190, 224)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 190, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 190, 224) }
```

Border

The CSS property to change the border of an element to XYZ 51.3964, 52.2760, 77.9024 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(183, 190, 224) }
```


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

```
.border{ border-color:rgb(183, 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(183, 190, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 190, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 190, 224);  
box-shadow:4px 4px 4px 4px rgb(183, 190,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3964, 52.2760, 77.9024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 190, 224) }
```

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

```
.background{ background-color: rgb(183,  
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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