

Converting Colors

XYZ(51.3390, 50.7527, 75.9360)

Have a look what the booklet for
XYZ(51.3390, 50.7527, 75.9360)
contains.

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Color

**XYZ(51.2728, 50.6632,
76.1839)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB9DE
RGB	188, 185, 222
RGB Percent	74%, 73%, 87%
CMY	0.2627, 0.2745, 0.1294
CMYK	0.15, 0.17, 0.00, 0.13
HSL	245°, 36%, 80%
HSV	245°, 17%, 87%
XYZ	51.2728, 50.6632, 76.1839
YIQ	190.1150, -10.0890, 12.1430

Conversions

Conversions Part 2

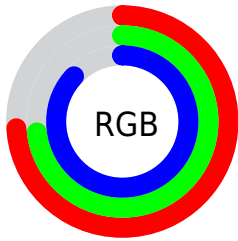
Format	Color
R_{YB}	188, 185, 222
Decimal	12368350
CIE _{Lab}	76.47, 8.43, -18.12
CIE _{LCh}	76, 19.979, 294.946
Yxy	50.6632, 0.2879, 0.2844
Android (android.graphics.Color)	4290558430 (0xFFBCB9DE)
YUV	190.1150, 15.7193, -1.8549
Hunter-Lab	71.1781, 4.0200, -13.6351

Details

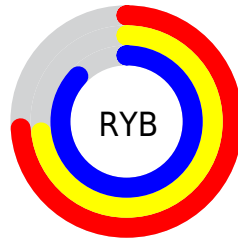
The XYZ color **51.2728, 50.6632, 76.1839** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.0934, 70.8068, 56.1902**, and the grayscale version is **48.9275, 51.4755, 56.0569**.

A 20% lighter version of the original color is **86.8135, 89.3637, 107.2811**, and **25.0578, 24.3609, 39.9406** is the 20% darker color. If you saturate the color by 10%, you get **42.3110, 39.6799, 74.5371**, and if you desaturate by 10%, it is **61.6733, 63.4671, 78.1080**.

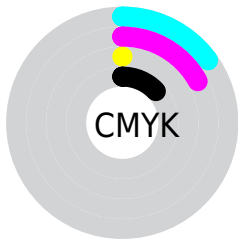
Distribution



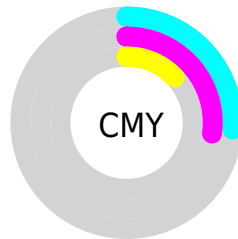
- Red (74%)
- Green (73%)
- Blue (87%)



- Red (74%)
- Yellow (73%)
- Blue (87%)



- Cyan (15%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (26%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2728, 50.6632, 76.1839 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 51.2728, 50.6632, 76.1839 by changing the saturation by 10% instead.

■ 51.2728, 50.6632,
76.1839

■ 51.2728, 50.6632,
76.1839

381.9930,
389.2538, 501.3406

■ 36.6477, 35.9406,
56.0758

■ 91.2385, 91.1567,
129.7493

■ 25.1072, 24.3884,
39.8593

117.3098,
117.6965, 164.0436

■ 16.2861, 15.6220,
27.1159

147.9271,
148.9441, 203.9038

■ 9.8190, 9.2570,
17.4271

183.4560,
185.2840, 249.7483

■ 5.3404, 4.9092,
10.3743

224.2616,
227.1005, 301.9957

■ 2.4852, 2.1941,
5.5390

270.7094,

■ 0.8878, 0.7168,

274.7780, 361.0645

2.5026

323.1648,
328.7010, 427.3733

■ 0.0000, 0.0000,
0.8415

■ 0.0000, 0.0000,
0.0000

■ 51.2728, 50.6632,
76.1839

■ 51.2728, 50.6632,
76.1839

■ 42.3110, 39.6799,
74.5371

■ 61.6733, 63.4671,
78.1080

■ 34.7200, 30.4287,
73.1515

■ 73.5671, 78.1626,
80.3176

■ 28.4335, 22.8227,
72.0147

■ 87.0117, 94.8243,
82.8250

■ 23.3776, 16.7655,
71.1120

■ 90.1850, 98.0540,
83.2812

■ 19.4714, 12.1503,
70.4271

■ 16.6238, 8.8567,
69.9414

■ 14.7300, 6.7449,
69.6336

■ 13.6611, 5.6387,
69.4765

■ 13.4342, 5.4025,
69.4428

Harmonies

Analogous

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



47.5187, 50.6632, 78.5063



51.2728, 50.6632, 76.1839



54.3279, 50.6632, 67.9522

Triad

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



51.2728, 50.6632, 76.1839



52.4336, 50.6632, 39.8695



41.2952, 50.6632, 53.3567

Complementary

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



51.2728, 50.6632, 76.1839



64.0934, 70.8068, 56.1902

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.



42.4662, 50.6632, 44.0895



51.2728, 50.6632, 76.1839



48.7946, 50.6632, 36.9778

Square

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



51.2728, 50.6632, 76.1839



55.0222, 50.6632, 46.8715



45.1640, 50.6632, 38.4161



41.8823, 50.6632, 64.3802

Rectangle

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



51.2728, 50.6632, 76.1839



55.4902, 50.6632, 60.7271



45.1640, 50.6632, 38.4161



41.4944, 50.6632, 49.9507

Sweetspot

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



51.2744, 50.6653, 76.1850



86.9365, 89.9783, 107.3932



58.6648, 66.5313, 78.8580



18.3729, 18.9690, 22.9430



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.



51.2744, 50.6653, 76.1850



65.6926, 63.8348, 103.4667



55.9799, 53.0911, 76.4052



13.0545, 13.2961, 17.2660



8.0166, 3.2280, 41.2489



0.5920, 0.2425, 2.8608

Inverse Universe

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



60.2610, 55.3441, 74.5265



80.2246, 71.4024, 100.7111



58.9761, 68.1687, 55.9508



14.2446, 13.9155, 17.0582



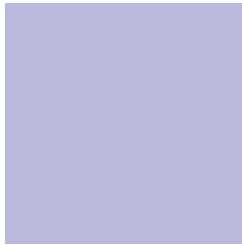
24.3875, 11.8220, 35.0359



1.7048, 0.8252, 2.5043

Previews

White Background



This preview shows how the XYZ color 51.2728, 50.6632, 76.1839 looks on a white background.

Color Contrast Check

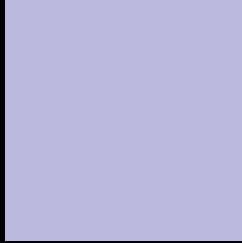
Large Text (above 18pt) WCAG AA × Fail

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 51.2728, 50.6632, 76.1839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

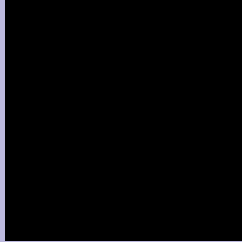
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2728, 50.6632, 76.1839

Background



This preview shows how black text looks on a background with the XYZ color 51.2728, 50.6632, 76.1839.



This preview shows how white text looks on a background with the XYZ color 51.2728, 50.6632,

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

51.2728, 50.6632, 76.1839

Protanopia

50.1457, 50.6921, 76.9536

Deuteranopia

51.8112, 50.6313, 76.1493



Tritanopia

48.7703, 50.5925, 63.6948

Trichromacy



Original Color

51.2728, 50.6632, 76.1839

Protanomaly

50.6454, 50.6359, 76.9164

Deuteranomaly

51.5605, 50.5021, 76.1376

Tritanomaly

49.6529, 50.6329, 68.1289

Monochromacy



Original Color

51.2728, 50.6632, 76.1839

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.6302, 51.0495, 63.1149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2728, 50.6632, 76.1839 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(188, 185, 222)` looks like.

```
.text, #text, p{  
    color:rgb(188, 185, 222)  
}
```

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(188, 185, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 185, 222) }
```

Border

The CSS property to change the border of an element to XYZ 51.2728, 50.6632, 76.1839 is called "border". The border property can be set on classes, ids or directly on the HTML element.

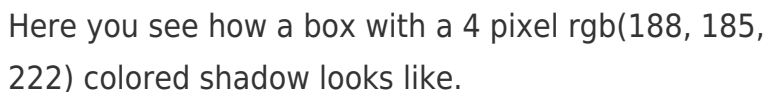
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 185, 222) }
```


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

```
.border{ border-color:rgb(188, 185, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 185, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 185, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 185, 222); box-shadow:4px 4px 4px 4px rgb(188, 185, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2728, 50.6632, 76.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 185, 222) }
```

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

```
.background{ background-color: rgb(188,  
185, 222) }
```

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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