

Converting Colors

XYZ(52.7004, 49.7027, 77.6221)

Have a look what the booklet for
XYZ(52.7004, 49.7027, 77.6221)
contains.

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Color

**XYZ(52.8018, 49.8947,
77.3687)**

Conversions

Conversions Part 1

Format	Color
Hex	C5B4E0
RGB	197, 180, 224
RGB Percent	77%, 71%, 88%
CMY	0.2274, 0.2941, 0.1216
CMYK	0.12, 0.20, 0.00, 0.12
HSL	263°, 42%, 79%
HSV	263°, 20%, 88%
XYZ	52.8018, 49.8947, 77.3687
YIQ	190.0990, -3.9920, 17.2880

Conversions

Conversions Part 2

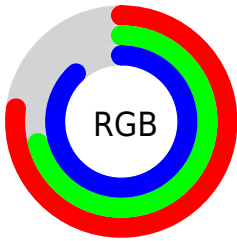
Format	Color
R _Y B	197, 180, 224
Decimal	12956896
CIE Lab	76.00, 14.46, -19.84
CIE LCh	76, 24.550, 306.081
Yxy	49.8947, 0.2932, 0.2771
Android (android.graphics.Color)	4291146976 (0xFFC5B4E0)
YUV	190.0990, 16.7132, 6.0522
Hunter-Lab	70.6362, 9.8186, -15.4958

Details

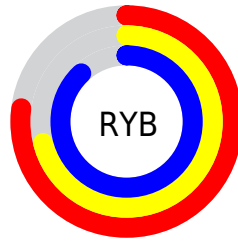
The XYZ color **52.8018, 49.8947, 77.3687** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **60.6277, 69.8733, 53.4739**, and the grayscale version is **48.9103, 51.4575, 56.0372**.

A 20% lighter version of the original color is **88.9185, 88.2817, 106.9613**, and **26.0785, 23.8830, 40.7715** is the 20% darker color. If you saturate the color by 10%, you get **45.2036, 39.7995, 75.8214**, and if you desaturate by 10%, it is **61.4621, 61.6248, 79.1772**.

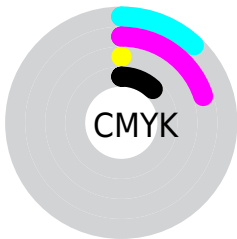
Distribution



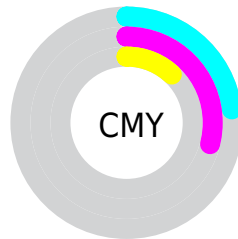
- Red (77%)
- Green (71%)
- Blue (88%)



- Red (77%)
- Yellow (71%)
- Blue (88%)



- Cyan (12%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)



- Cyan (23%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8018, 49.8947, 77.3687 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 52.8018, 49.8947, 77.3687 by changing the saturation by 10% instead.

■ 52.8018, 49.8947,
77.3687

■ 52.8018, 49.8947,
77.3687

387.7976,
386.2540, 505.4912

■ 37.8714, 35.3297,
57.0422

■ 93.4799, 90.0188,
131.4376

■ 26.0597, 23.9170,
40.6295

119.9583,
116.3468, 166.0170

■ 17.0012, 15.2721,
27.7122

151.0168,
147.3646, 206.1844

■ 10.3307, 9.0105,
17.8717

187.0207,
183.4565, 252.3585

■ 5.6827, 4.7481,
10.6894

228.3354,
225.0070, 304.9576

■ 2.6919, 2.1002,
5.7469

275.3262,

■ 0.9930, 0.6647,

272.4005, 364.4004

2.6255

328.3585,
326.0214, 431.1055

■ 0.0000, 0.0000,
0.9056

■ 0.0000, 0.0000,
0.0000

■ 52.8018, 49.8947,
77.3687

■ 52.8018, 49.8947,
77.3687

■ 45.2036, 39.7995,
75.8214

■ 61.4621, 61.6248,
79.1772

■ 38.6190, 31.2584,
74.5198

■ 71.2210, 75.0531,
81.2548

■ 33.0026, 24.1928,
73.4521

■ 82.1188, 90.2475,
83.6132

■ 28.3034, 18.5149,
72.6038

■ 89.3547, 97.5948,
84.6500

■ 24.4651, 14.1269,
71.9591

■ 90.4547, 98.1619,
84.7015

■ 21.4243, 10.9178,
71.5000

■ 19.1073, 8.7568,
71.2050

■ 17.3970, 7.4272,
71.0385

■ 17.3424, 7.3861,
71.0334

Harmonies

Analogous

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



48.3626, 49.8947, 83.4670



52.8018, 49.8947, 77.3687



55.9387, 49.8947, 65.2090

Triad

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



52.8018, 49.8947, 77.3687



51.0848, 49.8947, 34.3774



39.1935, 49.8947, 57.0430

Complementary

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



52.8018, 49.8947, 77.3687



60.6277, 69.8733, 53.4739

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.



39.8193, 49.8947, 44.7282



52.8018, 49.8947, 77.3687



46.4965, 49.8947, 32.9068

Square

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



52.8018, 49.8947, 77.3687



54.9036, 49.8947, 40.7846



42.4233, 49.8947, 36.3847



40.6555, 49.8947, 70.5771

Rectangle

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



52.8018, 49.8947, 77.3687



56.7642, 49.8947, 56.0691



42.4233, 49.8947, 36.3847



39.1680, 49.8947, 52.6210

Sweetspot

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



52.8034, 49.8968, 77.3698



86.9916, 88.8862, 107.1796



54.6238, 59.7772, 79.1810



18.4391, 18.7773, 22.9025



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.



52.8034, 49.8968, 77.3698



66.0447, 60.5344, 102.8111



58.9506, 53.0658, 77.6575



13.4503, 13.5001, 17.2846



10.2138, 4.3607, 41.3517



0.8059, 0.3528, 2.8709

Inverse Universe

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



58.3259, 52.9970, 66.1891



74.9615, 65.5443, 84.5657



54.9354, 66.9388, 53.2075



14.0589, 13.8412, 16.0804



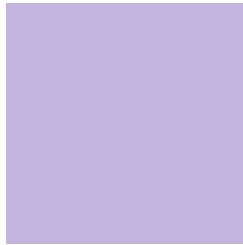
20.5986, 10.3064, 15.0837



1.4712, 0.7317, 1.2741

Previews

White Background



This preview shows how the XYZ color 52.8018, 49.8947, 77.3687 looks on a white background.

Color Contrast Check

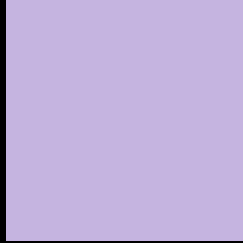
Large Text (above 18pt) WCAG AA × Fail

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 52.8018, 49.8947, 77.3687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

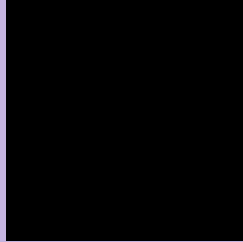
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.8018, 49.8947, 77.3687

Background



This preview shows how black text looks on a background with the XYZ color 52.8018, 49.8947, 77.3687.



This preview shows how white text looks on a background with the XYZ color 52.8018, 49.8947,

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

52.8018, 49.8947, 77.3687

Protanopia

49.9226, 50.1842, 80.4541

Deuteranopia

50.9918, 49.8861, 76.7535



Tritanopia

49.4416, 49.7420, 61.0281

Trichromacy



Original Color

52.8018, 49.8947, 77.3687

Protanomaly

51.0132, 50.1413, 79.6626

Deuteranomaly

51.5331, 49.8600, 76.7199

Tritanomaly

50.5668, 49.8904, 66.6392

Monochromacy



Original Color

52.8018, 49.8947, 77.3687

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

50.2119, 50.7195, 63.0205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8018, 49.8947, 77.3687 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(197, 180, 224)` looks like.

```
.text, #text, p{  
    color:rgb(197, 180, 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(197, 180, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 180, 224) }
```

Border

The CSS property to change the border of an element to XYZ 52.8018, 49.8947, 77.3687 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(197, 180, 224) }
```


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

```
.border{ border-color:rgb(197, 180, 224) }
```

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

Here you see how a box with a 4 pixel rgb(197, 180, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 180, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 180, 224);  
box-shadow:4px 4px 4px 4px rgb(197, 180,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8018, 49.8947, 77.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 180, 224) }
```

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

```
.background{ background-color: rgb(197,  
180, 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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