

Converting Colors

XYZ(50.2144, 42.7066, 77.5487)

Have a look what the booklet for
XYZ(50.2144, 42.7066, 77.5487)
contains.

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Color

**XYZ(50.2130, 42.7048,
77.5478)**

Conversions

Conversions Part 1

Format	Color
Hex	C99FE2
RGB	201, 159, 226
RGB Percent	79%, 62%, 89%
CMY	0.2118, 0.3765, 0.1137
CMYK	0.11, 0.30, 0.00, 0.11
HSL	278°, 54%, 75%
HSV	278°, 30%, 89%
XYZ	50.2130, 42.7048, 77.5478
YIQ	179.1960, 3.5250, 29.7410

Conversions

Conversions Part 2

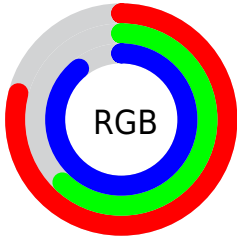
Format	Color
R_{YB}	201, 159, 226
Decimal	13213666
CIE _{Lab}	71.35, 27.67, -28.00
CIE _{LCh}	71, 39.365, 314.667
Yxy	42.7048, 0.2946, 0.2505
Android (android.graphics.Color)	4291403746 (0xFFC99FE2)
YUV	179.1960, 23.0744, 19.1221
Hunter-Lab	65.3489, 22.7958, -24.6136

Details

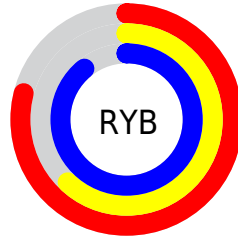
The XYZ color **50.2130, 42.7048, 77.5478** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.2229, 67.0873, 42.9469**, and the grayscale version is **42.8329, 45.0636, 49.0743**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **24.3675, 19.5287, 40.5153** is the 20% darker color. If you saturate the color by 10%, you get **44.4714, 34.4943, 76.2663**, and if you desaturate by 10%, it is **56.7924, 52.4040, 79.0738**.

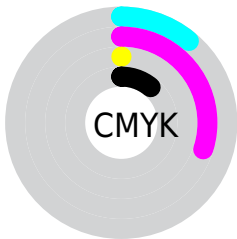
Distribution



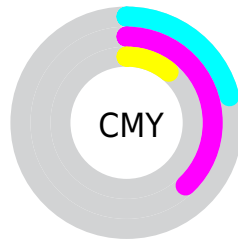
- Red (79%)
- Green (62%)
- Blue (89%)



- Red (79%)
- Yellow (62%)
- Blue (89%)



- Cyan (11%)
- Magenta (30%)
- Yellow (0%)
- Black (11%)





- Cyan (21%)
- Magenta (38%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2130, 42.7048, 77.5478 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 50.2130, 42.7048, 77.5478 by changing the saturation by 10% instead.


 50.2130, 42.7048,
77.5478


 50.2130, 42.7048,
77.5478


377.9366,
357.3964, 506.1169

 35.8012, 29.6536,
57.1883


 89.6803, 79.2652,
131.6925

 24.4501, 19.5758,
40.7461


 115.4665,
103.5432, 166.3149

 15.7944, 12.0871,
27.8025


145.7749,
132.3321, 206.5286

 9.4687, 6.8030,
17.9391

180.9707,
166.0166, 252.7523

 5.1077, 3.3392,
10.7373

221.4195,
204.9808, 305.4044

 2.3460, 1.3113,
5.7785

267.4865,

 0.8180, 0.1499,

249.6092, 364.9035

2.6443

319.5370,
300.2863, 431.6682

■ 0.0000, 0.0000,
0.9152

■ 0.0000, 0.0000,
0.0000

■ 50.2130, 42.7048,
77.5478

■ 50.2130, 42.7048,
77.5478

■ 44.4714, 34.4943,
76.2663

■ 56.7924, 52.4040,
79.0738

■ 39.5226, 27.6887,
75.2135

■ 64.2430, 63.6591,
80.8536

■ 35.3236, 22.2037,
74.3761

■ 72.6017, 76.5398,
82.8993

■ 31.8249, 17.9437,
73.7382

■ 81.9016, 91.1098,
85.2214

■ 28.9705, 14.7996,
73.2818

■ 86.5073, 96.0954,
85.9410

■ 26.6943, 12.6424,
72.9854

■ 89.4876, 97.6318,
86.0805

■ 24.8867, 11.2567,
72.8132

■ 90.7276, 98.2710,
86.1385

■ 24.8266, 11.2128,
72.8079

Harmonies

Analogous

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



43.8991, 42.7048, 91.4406



50.2130, 42.7048, 77.5478



54.1468, 42.7048, 56.8212

Triad

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



50.2130, 42.7048, 77.5478



44.0500, 42.7048, 19.4546



29.4774, 42.7048, 56.3542

Complementary

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



50.2130, 42.7048, 77.5478



53.2229, 67.0873, 42.9469

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.



29.5083, 42.7048, 37.5080



50.2130, 42.7048, 77.5478



37.4508, 42.7048, 19.3933

Square

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



50.2130, 42.7048, 77.5478



50.3338, 42.7048, 25.2885



32.2818, 42.7048, 25.0892



32.1920, 42.7048, 77.1268

Rectangle

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



50.2130, 42.7048, 77.5478



54.6463, 42.7048, 43.5945



32.2818, 42.7048, 25.0892



29.1773, 42.7048, 49.5282

Sweetspot

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



50.2144, 42.7066, 77.5487



85.0800, 84.6332, 106.4594



45.3100, 47.4293, 78.7188



17.8856, 17.6190, 22.7081



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.



50.2144, 42.7066, 77.5487



60.9242, 48.8178, 100.8195



56.4423, 46.0383, 72.3678



13.7735, 13.6668, 17.2997



14.2989, 6.4666, 41.5429



1.0892, 0.4988, 2.8841

Inverse Universe

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



52.4153, 44.4275, 51.1620



64.5029, 51.5775, 59.6523



48.4540, 64.5480, 46.3776



13.9177, 13.7847, 15.3367



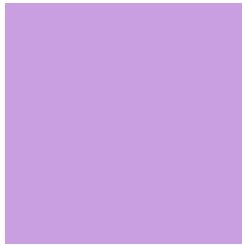
18.8664, 9.6136, 5.9621



1.3501, 0.6833, 0.6364

Previews

White Background



This preview shows how the XYZ color 50.2130, 42.7048, 77.5478 looks on a white background.

Color Contrast Check

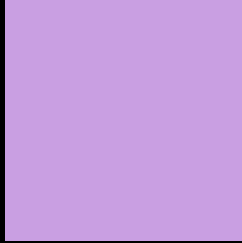
Large Text (above 18pt) WCAG AA × Fail

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 50.2130, 42.7048, 77.5478 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 50.2130, 42.7048, 77.5478

Background



This preview shows how black text looks on a background with the XYZ color 50.2130, 42.7048, 77.5478.



This preview shows how white text looks on a background with the XYZ color 50.2130, 42.7048,

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

50.2130, 42.7048, 77.5478

Protanopia

43.9885, 43.1114, 85.3598

Deuteranopia

43.9330, 42.9939, 76.5041



Tritanopia

44.5913, 42.8108, 49.6292

Trichromacy



Original Color

50.2130, 42.7048, 77.5478

Protanomaly

45.8017, 42.7157, 82.1749

Deuteranomaly

45.9997, 42.6574, 77.0434

Tritanomaly

46.5591, 42.8118, 58.6329

Monochromacy



Original Color

50.2130, 42.7048, 77.5478

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.2098, 44.0554, 58.3453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2130, 42.7048, 77.5478 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(201, 159, 226)` looks like.

```
.text, #text, p{  
    color:rgb(201, 159, 226)  
}
```

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(201, 159, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 159, 226) }
```

Border

The CSS property to change the border of an element to XYZ 50.2130, 42.7048, 77.5478 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(201, 159, 226) }
```


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

```
.border{ border-color:rgb(201, 159, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 159, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 159, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 159, 226);  
box-shadow:4px 4px 4px 4px rgb(201, 159,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2130, 42.7048, 77.5478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 159, 226) }
```

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

```
.background{ background-color: rgb(201,  
159, 226) }
```

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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