

Converting Colors

XYZ(42.7470, 32.8014, 54.4386)

Have a look what the booklet for
XYZ(42.7470, 32.8014, 54.4386)
contains.

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Color

**XYZ(42.7851, 32.7947,
54.5271)**

Conversions

Conversions Part 1

Format	Color
Hex	CD82C1
RGB	205, 130, 193
RGB Percent	80%, 51%, 76%
CMY	0.1961, 0.4902, 0.2431
CMYK	0.00, 0.37, 0.06, 0.20
HSL	310°, 43%, 66%
HSV	310°, 37%, 80%
XYZ	42.7851, 32.7947, 54.5271
YIQ	159.6070, 24.4770, 35.4930

Conversions

Conversions Part 2

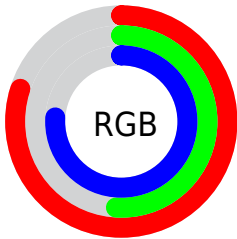
Format	Color
RYB	205, 130, 193
Decimal	13468353
CIELab	63.99, 38.39, -20.90
CIElCh	64, 43.714, 331.435
Yxy	32.7947, 0.3288, 0.2521
Android (android.graphics.Color)	4291658433 (0xFFCD82C1)
YUV	159.6070, 16.4627, 39.8097
Hunter-Lab	57.2667, 33.1444, -16.3670

Details

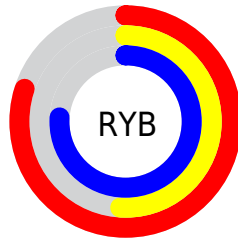
The XYZ color **42.7851, 32.7947, 54.5271** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.9211, 50.3625, 33.4209**, and the grayscale version is **33.1527, 34.8792, 37.9834**.

A 20% lighter version of the original color is **75.6358, 62.4431, 98.5088**, and **19.8506, 13.8456, 26.0523** is the 20% darker color. If you saturate the color by 10%, you get **39.9635, 27.7301, 51.8014**, and if you desaturate by 10%, it is **46.1601, 38.9519, 57.4780**.

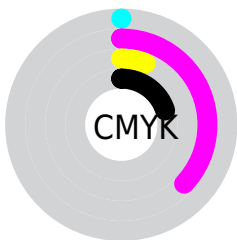
Distribution



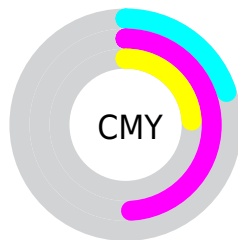
- Red (80%)
- Green (51%)
- Blue (76%)



- Red (80%)
- Yellow (51%)
- Blue (76%)



- Cyan (0%)
- Magenta (37%)
- Yellow (6%)
- Black (20%)





- Cyan (20%)
- Magenta (49%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7851, 32.7947, 54.5271 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 42.7851, 32.7947, 54.5271 by changing the saturation by 10% instead.


 42.7851, 32.7947,
54.5271


 42.7851, 32.7947,
54.5271


348.6638,
314.7236, 421.3481


 29.9103, 21.9692,
38.6272


 78.6442, 64.0549,
98.3119

 19.9183, 13.8343,
26.1642


 102.3592, 85.2584,
127.0339

 12.4436, 8.0055,
16.7197


 130.4184,
110.6900, 160.8670

 7.1209, 4.0985,
9.8750

163.1871,
140.7341, 200.2298

 3.5848, 1.7288,
5.2116

201.0306,
175.7751, 245.5407

 1.4700, 0.4422,
2.3111

244.3143,

 0.3053, 0.0000,

216.1974, 297.2184

0.7374

293.4036,
262.3855, 355.6814

■ 0.0000, 0.0000,
0.0000

■ 42.7851, 32.7947,
54.5271

■ 42.7851, 32.7947,
54.5271

■ 39.9635, 27.7301,
51.8014

■ 46.1601, 38.9519,
57.4780

■ 37.6597, 23.6888,
49.2877

■ 50.1151, 46.2567,
60.6622

■ 35.8388, 20.6004,
46.9746

■ 54.6789, 54.7659,
64.0899

■ 34.4602, 18.3840,
44.8481

■ 59.8773, 64.5311,
67.7700

■ 33.4767, 16.9449,
42.8924

■ 65.7347, 75.6009,
71.7107

■ 32.8269, 16.1608,
41.0866

■ 72.2741, 88.0214,
75.9200

■ 32.6426, 15.9655,
40.4910

■ 73.3269, 89.4552,
78.3421

■ 73.7552, 89.6265,
80.5977

■ 74.1921, 89.8013,
82.8982

Harmonies

Analogous

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



37.7712, 32.7947, 73.2180



42.7851, 32.7947, 54.5271



44.5876, 32.7947, 34.8641

Triad

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



42.7851, 32.7947, 54.5271



30.8744, 32.7947, 11.3844



22.1098, 32.7947, 56.5038

Complementary

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



42.7851, 32.7947, 54.5271



35.9211, 50.3625, 33.4209

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.



20.7574, 32.7947, 36.5651



42.7851, 32.7947, 54.5271



25.3872, 32.7947, 13.8663

Square

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



42.7851, 32.7947, 54.5271



37.1896, 32.7947, 13.4186



21.8744, 32.7947, 21.8093



25.8384, 32.7947, 74.5992

Rectangle

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



42.7851, 32.7947, 54.5271



43.5592, 32.7947, 24.6815



21.8744, 32.7947, 21.8093



21.3861, 32.7947, 49.6086

Sweetspot

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



42.7861, 32.7962, 54.5278



86.0311, 83.1051, 102.3703



30.0307, 26.0595, 61.2054



18.1953, 17.3798, 21.7468



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.



42.7861, 32.7962, 54.5278



66.3254, 46.9621, 85.7255



39.1827, 31.3548, 35.5521



11.6074, 11.3717, 13.7333



20.3504, 9.9508, 25.3618



1.0711, 0.5218, 1.4200

Inverse Universe

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



42.7861, 32.7962, 54.5278



66.3254, 46.9621, 85.7255



39.1499, 51.6540, 50.4234



11.6074, 11.3717, 13.7333



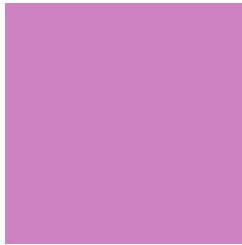
20.3504, 9.9508, 25.3618



1.0711, 0.5218, 1.4200

Previews

White Background



This preview shows how the XYZ color 42.7851, 32.7947, 54.5271 looks on a white background.

Color Contrast Check

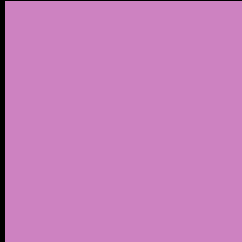
Large Text (above 18pt) WCAG AA × Fail

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 42.7851, 32.7947, 54.5271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

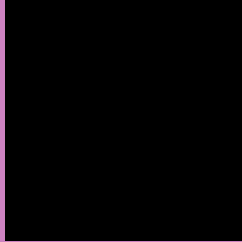
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7851, 32.7947, 54.5271

Background



This preview shows how black text looks on a background with the XYZ color 42.7851, 32.7947, 54.5271.



This preview shows how white text looks on a background with the XYZ color 42.7851, 32.7947,

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

42.7851, 32.7947, 54.5271

Protanopia

33.6716, 32.9246, 65.5532

Deuteranopia

33.7400, 33.0006, 52.7356



Tritanopia

38.4769, 32.9145, 32.7590

Trichromacy



Original Color

42.7851, 32.7947, 54.5271

Protanomaly

36.1287, 32.3970, 61.4758

Deuteranomaly

36.5011, 32.5485, 53.0739

Tritanomaly

39.9528, 32.8815, 39.8383

Monochromacy



Original Color

42.7851, 32.7947, 54.5271

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.0983, 33.7036, 43.6326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7851, 32.7947, 54.5271 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(205, 130, 193)` looks like.

```
.text, #text, p{  
    color:rgb(205, 130, 193)  
}
```

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(205, 130, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 130, 193) }
```

Border

The CSS property to change the border of an element to XYZ 42.7851, 32.7947, 54.5271 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(205, 130, 193) }
```


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

```
.border{ border-color:rgb(205, 130, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 130, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 130, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 130, 193);  
box-shadow:4px 4px 4px 4px rgb(205, 130,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7851, 32.7947, 54.5271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 130, 193) }
```

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

```
.background{ background-color: rgb(205,  
130, 193) }
```

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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