

Converting Colors

XYZ(43.0824, 27.8605, 53.0693)

Have a look what the booklet for
XYZ(43.0824, 27.8605, 53.0693)
contains.

XYZ(42.9850, 27.8255, 52.9745)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.9850, 27.8255,
52.9745)**

Conversions

Conversions Part 1

Format	Color
Hex	DA64C0
RGB	218, 100, 192
RGB Percent	85%, 39%, 75%
CMY	0.1451, 0.6078, 0.2471
CMYK	0.00, 0.54, 0.12, 0.15
HSL	313°, 61%, 62%
HSV	313°, 54%, 85%
XYZ	42.9850, 27.8255, 52.9745
YIQ	145.7700, 40.7960, 53.6280

Conversions

Conversions Part 2

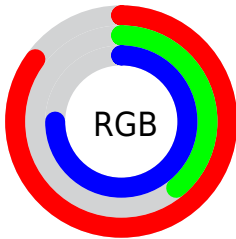
Format	Color
RYB	218, 100, 192
Decimal	14312640
CIELab	59.73, 57.37, -26.73
CIELCh	60, 63.289, 335.016
Yxy	27.8255, 0.3473, 0.2248
Android (android.graphics.Color)	4292502720 (0xFFDA64C0)
YUV	145.7700, 22.7914, 63.3457
Hunter-Lab	52.7499, 53.1444, -22.6176

Details

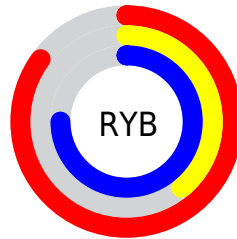
The XYZ color **42.9850, 27.8255, 52.9745** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.0941, 54.3594, 28.4362**, and the grayscale version is **27.1265, 28.5392, 31.0792**.

A 20% lighter version of the original color is **70.0602, 51.5422, 95.8786**, and **19.9485, 11.0363, 25.1236** is the 20% darker color. If you saturate the color by 10%, you get **40.6435, 23.9799, 49.6108**, and if you desaturate by 10%, it is **45.9050, 32.7993, 56.6172**.

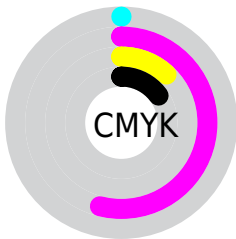
Distribution



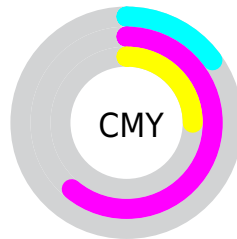
- Red (85%)
- Green (39%)
- Blue (75%)



- Red (85%)
- Yellow (39%)
- Blue (75%)



- Cyan (0%)
- Magenta (54%)
- Yellow (12%)
- Black (15%)





- Cyan (15%)
- Magenta (61%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9850, 27.8255, 52.9745 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 42.9850, 27.8255, 52.9745 by changing the saturation by 10% instead.


 42.9850, 27.8255,
52.9745


 42.9850, 27.8255,
52.9745

349.4726,
291.6321, 415.2508

 30.0678, 18.1942,
37.3948


 78.9441, 56.2057,
96.0080


 20.0384, 11.0895,
25.2152


 102.7167, 75.7234,
124.2989

 12.5314, 6.1270,
16.0169


 130.8385, 99.3053,
157.6640

 7.1814, 2.9225,
9.3817

 163.6748,
127.3358, 196.5218

 3.6232, 1.0914,
4.8908

201.5910,
160.1994, 241.2908

 1.4912, 0.0000,
2.1257

244.9525,

 0.3199, 0.0000,

198.2804, 292.3897

0.6310

294.1246,
241.9632, 350.2368

■ 0.0000, 0.0000,
0.0000

■ 42.9850, 27.8255,
52.9745

■ 42.9850, 27.8255,
52.9745

■ 40.6435, 23.9799,
49.6108

■ 45.9050, 32.7993,
56.6172

■ 38.8318, 21.1671,
46.5084

■ 49.4417, 38.9786,
60.5518

■ 37.4979, 19.2824,
43.6493

■ 53.6328, 46.4388,
64.7918

■ 36.5773, 18.1973,
41.0113

■ 58.5126, 55.2477,
69.3495

■ 36.1660, 17.8065,
39.5434

■ 64.1128, 65.4684,
74.2361

■ 70.4629, 77.1600,
79.4623

■ 77.5910, 90.3783,
85.0381

■ 79.0170, 92.1629,
88.8043

■ 79.7028, 92.4372,
92.4155

Harmonies

Analogous

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



36.2926, 27.8255, 82.5977



42.9850, 27.8255, 52.9745



44.9218, 27.8255, 26.6062

Triad

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



42.9850, 27.8255, 52.9745



25.1250, 27.8255, 4.1903



15.7433, 27.8255, 63.2597

Complementary

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



42.9850, 27.8255, 52.9745



34.0941, 54.3594, 28.4362

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.



13.8923, 27.8255, 34.3148



42.9850, 27.8255, 52.9745



18.5660, 27.8255, 6.6437

Square

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



42.9850, 27.8255, 52.9745



33.4912, 27.8255, 5.3391



14.8106, 27.8255, 15.2389



20.4675, 27.8255, 90.3453

Rectangle

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



42.9850, 27.8255, 52.9745



42.9800, 27.8255, 15.2249



14.8106, 27.8255, 15.2389



14.8130, 27.8255, 53.0068

Sweetspot

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



42.9859, 27.8268, 52.9751



81.9733, 76.1089, 97.5666



25.7538, 18.5806, 68.5592



17.2276, 15.7150, 20.5903



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.



42.9859, 27.8268, 52.9751



57.5506, 33.5334, 70.0968



37.7354, 25.7266, 25.3261



13.4852, 13.2232, 15.8161



21.7088, 10.6846, 23.9105



1.4374, 0.7046, 1.7122

Inverse Universe

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



42.9859, 27.8268, 52.9751



57.5506, 33.5334, 70.0968



39.0393, 56.3375, 54.4773



13.4852, 13.2232, 15.8161



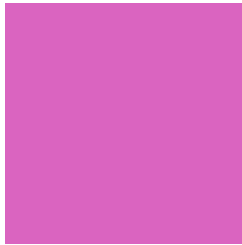
21.7088, 10.6846, 23.9105



1.4374, 0.7046, 1.7122

Previews

White Background



This preview shows how the XYZ color 42.9850, 27.8255, 52.9745 looks on a white background.

Color Contrast Check

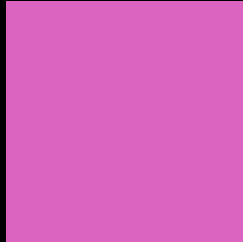
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9850, 27.8255, 52.9745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

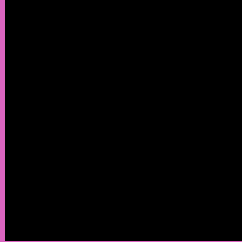
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.9850, 27.8255, 52.9745

Background



This preview shows how black text looks on a background with the XYZ color 42.9850, 27.8255, 52.9745.



This preview shows how white text looks on a background with the XYZ color 42.9850, 27.8255,

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

42.9850, 27.8255, 52.9745

Protanopia

30.2030, 28.3597, 75.1163

Deuteranopia

28.7465, 28.1671, 49.8206



Tritanopia

36.7475, 27.7949, 22.4969

Trichromacy



Original Color

42.9850, 27.8255, 52.9745



Protanomaly

32.5485, 26.6582, 66.3809



Deuteranomaly

32.3924, 26.9166, 51.0651



Tritanomaly

38.7323, 27.6179, 31.7231

Monochromacy



Original Color

42.9850, 27.8255, 52.9745



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

31.4744, 27.1155, 38.2253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9850, 27.8255, 52.9745 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(218, 100, 192)` looks like.

```
.text, #text, p{  
    color:rgb(218, 100, 192)  
}
```

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(218, 100, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 100, 192) }
```

Border

The CSS property to change the border of an element to XYZ 42.9850, 27.8255, 52.9745 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(218, 100, 192) }
```


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

```
.border{ border-color:rgb(218, 100, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 100, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 100, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 100, 192);  
box-shadow:4px 4px 4px 4px rgb(218, 100,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9850, 27.8255, 52.9745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 100, 192) }
```

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

```
.background{ background-color: rgb(218,  
100, 192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor