

Converting Colors

XYZ(45.2958, 32.5225, 64.8648)

Have a look what the booklet for
XYZ(45.2958, 32.5225, 64.8648)
contains.

XYZ(45.2942, 32.5207, 64.8626)	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(45.2942, 32.5207,
64.8626)**

Conversions

Conversions Part 1

Format	Color
Hex	D27BD2
RGB	210, 123, 210
RGB Percent	82%, 48%, 82%
CMY	0.1765, 0.5176, 0.1765
CMYK	0.00, 0.41, 0.00, 0.18
HSL	300°, 49%, 65%
HSV	300°, 41%, 82%
XYZ	45.2942, 32.5207, 64.8626
YIQ	158.9310, 23.9250, 45.5010

Conversions

Conversions Part 2

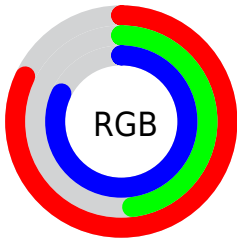
Format	Color
R_{YB}	210, 123, 210
Decimal	13794258
CIE _{Lab}	63.77, 46.71, -30.75
CIE _{LCh}	64, 55.918, 326.642
Yxy	32.5207, 0.3175, 0.2279
Android (android.graphics.Color)	4291984338 (0xFFD27BD2)
YUV	158.9310, 25.1770, 44.7875
Hunter-Lab	57.0269, 41.9783, -27.5178

Details

The XYZ color **45.2942, 32.5207, 64.8626** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.7916, 51.7355, 26.8930**, and the grayscale version is **32.8051, 34.5135, 37.5852**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **21.4961, 13.7431, 32.5301** is the 20% darker color. If you saturate the color by 10%, you get **42.9635, 27.8587, 64.0859**, and if you desaturate by 10%, it is **48.1858, 38.3031, 65.8269**.

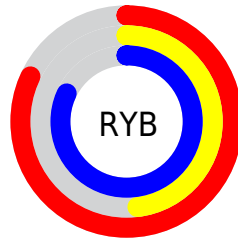
Distribution



Red (82%)

Green (48%)

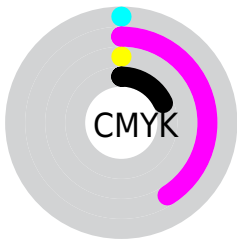
Blue (82%)



Red (82%)

Yellow (48%)

Blue (82%)

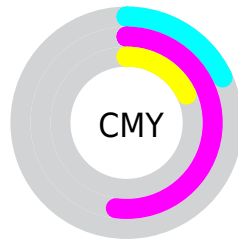


Cyan (0%)

Magenta (41%)

Yellow (0%)

Black (18%)



Cyan (18%)

Magenta (52%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2942, 32.5207, 64.8626 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 45.2942, 32.5207, 64.8626 by changing the saturation by 10% instead.

45.2942, 32.5207,
64.8626

45.2942, 32.5207,
64.8626

358.7275,
313.4844, 460.5907

31.8915, 21.7595,
46.8990

82.3961, 63.6265,
113.4637

21.4338, 13.6803,
32.6021

106.8259, 84.7399,
144.9383

13.5557, 7.8987,
21.5532

135.6622,
110.0729, 181.7536

7.8919, 4.0302,
13.3338

169.2703,
140.0097, 224.3283

4.0771, 1.6905,
7.5254

208.0155,
174.9349, 273.0808

1.7458, 0.4175,
3.7094

252.2632,

0.4847, 0.0000,

215.2328, 328.4297

1.4673

302.3787,
261.2879, 390.7935

■ 0.0000, 0.0000,
0.1934

■ 0.0000, 0.0000,
0.0000

■ 45.2942, 32.5207,
64.8626

■ 45.2942, 32.5207,
64.8626

■ 42.9635, 27.8587,
64.0859

■ 48.1858, 38.3031,
65.8269

■ 41.1544, 24.2405,
63.4827


■ 51.6678, 45.2672,
66.9877


■ 39.8277, 21.5872,
63.0404


■ 55.7718, 53.4751,
68.3559


■ 38.9373, 19.8063,
62.7434


■ 60.5260, 62.9833,
69.9407


 38.4280, 18.7877,
62.5735


 65.9568, 73.8450,
71.7511

 38.2116, 18.3550,
62.5012

 72.0894, 86.1100,
73.7955

 73.9719, 89.8751,
74.4231

 73.9720, 89.8751,
74.4233

 73.9720, 89.8751,
74.4234

Harmonies

Analogous

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



38.1773, 32.5207, 89.7407



45.2942, 32.5207, 64.8626



48.5407, 32.5207, 38.0001

Triad

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



45.2942, 32.5207, 64.8626



31.8017, 32.5207, 7.4262



19.2951, 32.5207, 58.5212

Complementary

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



45.2942, 32.5207, 64.8626



34.7916, 51.7355, 26.8930

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.



18.1673, 32.5207, 32.9394



45.2942, 32.5207, 64.8626



24.6289, 32.5207, 9.1353

Square

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



45.2942, 32.5207, 64.8626



39.9658, 32.5207, 10.1993



19.9476, 32.5207, 16.5747



23.3371, 32.5207, 85.1197

Rectangle

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



45.2942, 32.5207, 64.8626



47.7269, 32.5207, 24.4250



19.9476, 32.5207, 16.5747



18.5957, 32.5207, 49.2744

Sweetspot

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



45.2953, 32.5221, 64.8633



86.0532, 82.0066, 105.9008



26.8857, 23.0316, 64.0023



18.2287, 17.1724, 22.6037



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.



45.2953, 32.5221, 64.8633



66.9439, 43.7881, 99.5302



40.5915, 30.6406, 40.0937



12.3109, 12.0091, 14.9128



23.3081, 11.1961, 38.1242



1.3032, 0.6260, 2.1317

Inverse Universe

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



45.2953, 32.5221, 64.8633



66.9439, 43.7881, 99.5302



38.1452, 53.0770, 44.5533



12.3109, 12.0091, 14.9128



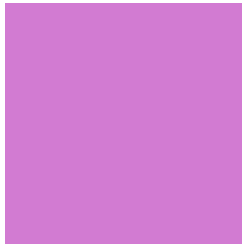
23.3081, 11.1961, 38.1242



1.3032, 0.6260, 2.1317

Previews

White Background



This preview shows how the XYZ color 45.2942, 32.5207, 64.8626 looks on a white background.

Color Contrast Check

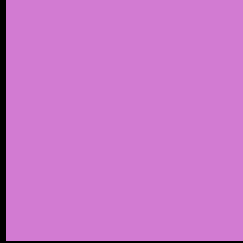
Large Text (above 18pt) WCAG AA × Fail

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 45.2942, 32.5207, 64.8626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

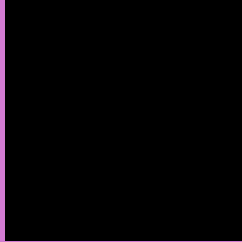
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2942, 32.5207, 64.8626

Background



This preview shows how black text looks on a background with the XYZ color 45.2942, 32.5207, 64.8626.



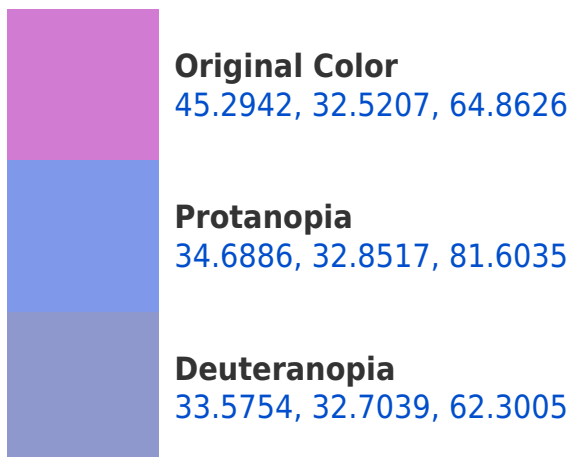
This preview shows how white text looks on a background with the XYZ color 45.2942, 32.5207,

64.8626.

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





Tritanopia

38.5692, 32.5545, 31.8546

Trichromacy



Original Color

45.2942, 32.5207, 64.8626



Protanomaly

37.0201, 31.6541, 75.3928



Deuteranomaly

36.7237, 31.7702, 63.2282



Tritanomaly

40.6838, 32.3839, 42.1367

Monochromacy



Original Color

45.2942, 32.5207, 64.8626



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

36.6749, 33.2371, 46.6019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2942, 32.5207, 64.8626 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(210, 123, 210)` looks like.

```
.text, #text, p{  
    color:rgb(210, 123, 210)  
}
```

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(210, 123, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 123, 210) }
```

Border

The CSS property to change the border of an element to XYZ 45.2942, 32.5207, 64.8626 is called "border". The border property can be set on classes, ids or directly on the HTML element.

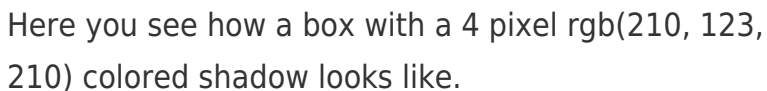
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(210, 123, 210) }
```


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

```
.border{ border-color:rgb(210, 123, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(210, 123, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(210, 123, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(210, 123, 210); box-shadow:4px 4px 4px 4px rgb(210, 123, 210) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2942, 32.5207, 64.8626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 123, 210) }
```

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

```
.background{ background-color: rgb(210,  
123, 210) }
```

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