

Converting Colors

XYZ(44.7351, 32.6924, 58.1673)

Have a look what the booklet for
XYZ(44.7351, 32.6924, 58.1673)
contains.

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Color

**XYZ(44.7938, 32.7878,
58.0006)**

Conversions

Conversions Part 1

Format	Color
Hex	D47DC7
RGB	212, 125, 199
RGB Percent	83%, 49%, 78%
CMY	0.1686, 0.5098, 0.2196
CMYK	0.00, 0.41, 0.06, 0.17
HSL	309°, 50%, 66%
HSV	309°, 41%, 83%
XYZ	44.7938, 32.7878, 58.0006
YIQ	159.4490, 28.0980, 41.4580

Conversions

Conversions Part 2

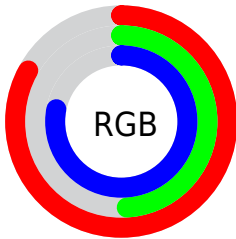
Format	Color
R_{YB}	212, 125, 199
Decimal	13925831
CIE _{Lab}	63.99, 44.32, -24.21
CIE _{LCh}	64, 50.506, 331.351
Yxy	32.7878, 0.3304, 0.2418
Android (android.graphics.Color)	4292115911 (0xFFD47DC7)
YUV	159.4490, 19.4986, 46.0872
Hunter-Lab	57.2606, 39.4307, -19.9738

Details

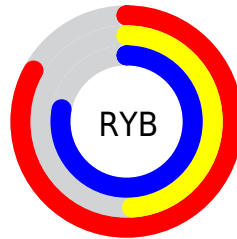
The XYZ color **44.7938, 32.7878, 58.0006** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.5898, 53.2830, 32.4030**, and the grayscale version is **33.0656, 34.7876, 37.8837**.

A 20% lighter version of the original color is **75.4101, 60.7202, 102.3534**, and **21.2037, 13.8773, 28.3491** is the 20% darker color. If you saturate the color by 10%, you get **42.0272, 27.8365, 55.2826**, and if you desaturate by 10%, it is **48.1429, 38.8906, 60.9512**.

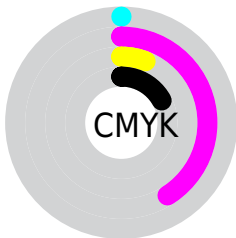
Distribution



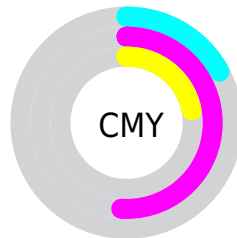
- Red (83%)
- Green (49%)
- Blue (78%)



- Red (83%)
- Yellow (49%)
- Blue (78%)



- Cyan (0%)
- Magenta (41%)
- Yellow (6%)
- Black (17%)





- Cyan (17%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.7938, 32.7878, 58.0006 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 44.7938, 32.7878, 58.0006 by changing the saturation by 10% instead.


 44.7938, 32.7878,
58.0006


 44.7938, 32.7878,
58.0006

356.7356,
314.6925, 434.7865


 31.4956, 21.9639,
41.3944


 81.6499, 64.0441,
103.4385

 21.1302, 13.8304,
28.3054


 105.9385, 85.2453,
133.1073

 13.3322, 8.0028,
18.3149


 134.6213,
110.6744, 167.9675

 7.7363, 4.0967,
11.0046

168.0636,
140.7159, 208.4374

 3.9771, 1.7278,
5.9557

206.6309,
175.7540, 254.9358

 1.6892, 0.4416,
2.7498

250.6884,

 0.4495, 0.0000,

216.1732, 307.8810

0.9683

300.6015,
262.3579, 367.6918

■ 0.0000, 0.0000,
0.0000

■ 44.7938, 32.7878,
58.0006

■ 44.7938, 32.7878,
58.0006

■ 42.0272, 27.8365,
55.2826

■ 48.1429, 38.8906,
60.9512

■ 39.8031, 23.9587,
52.7827

■ 52.1050, 46.2075,
64.1437

■ 38.0814, 21.0738,
50.4877


■ 56.7119, 54.8018,
67.5895


■ 36.8153, 19.0878,
48.3815


■ 61.9928, 64.7314,
71.2984


■ 35.9486, 17.8887,
46.4454


■ 67.9745, 76.0503,
75.2795

 35.4226, 17.3056,
44.8246

 74.6829, 88.8098,
79.5418

 75.9865, 90.7471,
82.0416

 76.4132, 90.9178,
84.2883

 76.8478, 91.0917,
86.5773

Harmonies

Analogous

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



38.8461, 32.7878, 80.7645



44.7938, 32.7878, 58.0006



46.9584, 32.7878, 34.7837

Triad

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



44.7938, 32.7878, 58.0006



30.8421, 32.7878, 9.0927



20.8701, 32.7878, 60.2421

Complementary

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



44.7938, 32.7878, 58.0006



36.5898, 53.2830, 32.4030

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.



19.3794, 32.7878, 36.6330



44.7938, 32.7878, 58.0006



24.5677, 32.7878, 11.5881

Square

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



44.7938, 32.7878, 58.0006



38.2020, 32.7878, 11.1569



20.6240, 32.7878, 20.0038



25.0480, 32.7878, 82.3684

Rectangle

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



44.7938, 32.7878, 58.0006



45.7388, 32.7878, 23.2396



20.6240, 32.7878, 20.0038



20.0695, 32.7878, 51.9690

Sweetspot

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



44.7949, 32.7893, 58.0013



85.3257, 81.7155, 102.0696



29.4699, 24.7070, 65.5038



18.0563, 17.1034, 21.6956



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.



44.7949, 32.7893, 58.0013



64.4173, 43.3138, 84.5721



40.5635, 31.0968, 35.7195



12.8695, 12.5993, 15.2532



21.8974, 10.6953, 27.8274



1.3429, 0.6540, 1.7952

Inverse Universe

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



44.7949, 32.7893, 58.0013



64.4173, 43.3138, 84.5721



40.2506, 54.7474, 51.6807



12.8695, 12.5993, 15.2532



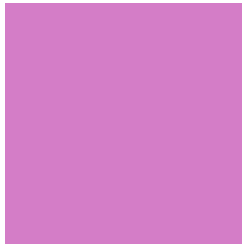
21.8974, 10.6953, 27.8274



1.3429, 0.6540, 1.7952

Previews

White Background



This preview shows how the XYZ color 44.7938, 32.7878, 58.0006 looks on a white background.

Color Contrast Check

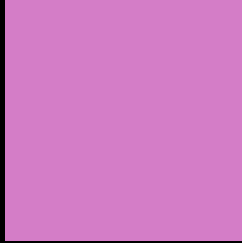
Large Text (above 18pt) WCAG AA × Fail

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 44.7938, 32.7878, 58.0006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

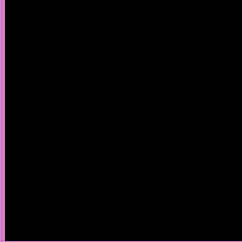
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7938, 32.7878, 58.0006

Background



This preview shows how black text looks on a background with the XYZ color 44.7938, 32.7878, 58.0006.



This preview shows how white text looks on a background with the XYZ color 44.7938, 32.7878,

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

44.7938, 32.7878, 58.0006

Protanopia

34.3012, 33.1007, 72.2913

Deuteranopia

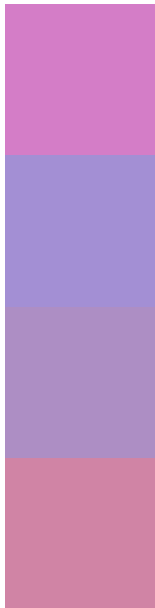
33.7283, 32.9308, 55.6175



Tritanopia

39.4461, 32.8055, 31.4472

Trichromacy



Original Color

44.7938, 32.7878, 58.0006

Protanomaly

36.8104, 32.1849, 66.5595

Deuteranomaly

36.8704, 32.2158, 56.4995

Tritanomaly

41.0552, 32.6290, 39.7315

Monochromacy



Original Color

44.7938, 32.7878, 58.0006

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.4338, 33.3884, 44.5687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7938, 32.7878, 58.0006 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(212, 125, 199)` looks like.

```
.text, #text, p{  
    color:rgb(212, 125, 199)  
}
```

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(212, 125, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 125, 199) }
```

Border

The CSS property to change the border of an element to XYZ 44.7938, 32.7878, 58.0006 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(212, 125, 199) }
```


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

```
.border{ border-color:rgb(212, 125, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 125, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 125, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 125, 199);  
box-shadow:4px 4px 4px 4px rgb(212, 125,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7938, 32.7878, 58.0006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 125, 199) }
```

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

```
.background{ background-color: rgb(212,  
125, 199) }
```

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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