

Converting Colors

XYZ(45.4155, 34.4858, 42.6975)

Have a look what the booklet for
XYZ(45.4155, 34.4858, 42.6975)
contains.

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Color

**XYZ(45.4575, 34.4351,
42.7788)**

Conversions

Conversions Part 1

Format	Color
Hex	DE82AB
RGB	222, 130, 171
RGB Percent	87%, 51%, 67%
CMY	0.1294, 0.4902, 0.3294
CMYK	0.00, 0.41, 0.23, 0.13
HSL	333°, 58%, 69%
HSV	333°, 41%, 87%
XYZ	45.4575, 34.4351, 42.7788
YIQ	162.1820, 41.6710, 32.2550

Conversions

Conversions Part 2

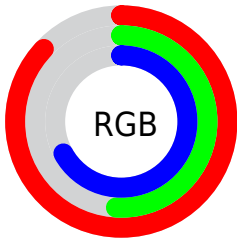
Format	Color
R _Y B	222, 130, 171
Decimal	14582443
CIE Lab	65.31, 40.56, -6.30
CIE LCh	65, 41.041, 351.171
Yxy	34.4351, 0.3706, 0.2807
Android (android.graphics.Color)	4292772523 (0xFFDE82AB)
YUV	162.1820, 4.3473, 52.4604
Hunter-Lab	58.6814, 35.5823, -2.1454

Details

The XYZ color **45.4575, 34.4351, 42.7788** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **43.6692, 60.3255, 53.0614**, and the grayscale version is **34.3954, 36.1867, 39.4073**.

A 20% lighter version of the original color is **72.3164, 61.4489, 80.0008**, and **21.5712, 14.7800, 19.1687** is the 20% darker color. If you saturate the color by 10%, you get **41.6979, 28.7064, 36.0048**, and if you desaturate by 10%, it is **49.9653, 41.4847, 50.3419**.

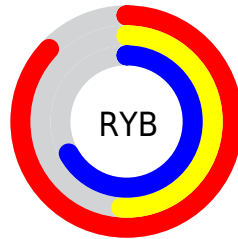
Distribution



Red (87%)

Green (51%)

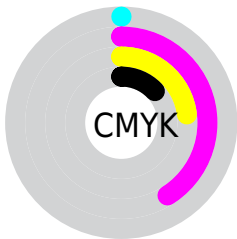
Blue (67%)



Red (87%)

Yellow (51%)

Blue (67%)

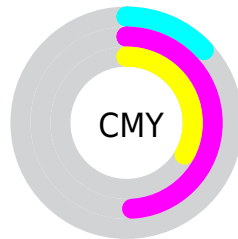


Cyan (0%)

Magenta (41%)

Yellow (23%)

Black (13%)



Cyan (13%)

Magenta (49%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4575, 34.4351, 42.7788 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 45.4575, 34.4351, 42.7788 by changing the saturation by 10% instead.


 45.4575, 34.4351,
42.7788


 45.4575, 34.4351,
42.7788


359.3759,
322.0678, 373.5957


 32.0207, 23.2281,
29.3815


 82.6394, 66.6097,
80.6597

 21.5330, 14.7620,
19.1215


 107.1152, 88.3461,
105.9804

 13.6288, 8.6525,
11.5804


 136.0014,
114.3610, 136.1126

 7.9429, 4.5152,
6.3396

169.6634,
145.0389, 171.4749

 4.1099, 1.9658,
2.9806

208.4664,
180.7641, 212.4859

 1.7645, 0.5875,
1.0847

252.7760,

 0.4962, 0.0000,

221.9211, 259.5639

0.0000

302.9574,
268.8942, 313.1277

■ 0.0000, 0.0000,
0.0000

■ 45.4575, 34.4351,
42.7788

■ 45.4575, 34.4351,
42.7788

■ 41.6979, 28.7064,
36.0048

■ 49.9653, 41.4847,
50.3419

■ 38.6392, 24.2098,
29.9884

■ 55.2590, 49.9268,
58.7195

■ 36.2330, 20.8532,
24.6986


■ 61.3768, 59.8336,
67.9385


■ 34.4231, 18.5293,
20.1006

■ 68.3539, 71.2709,
78.0236

■ 33.1427, 17.1098,
16.1552

■ 76.2233, 84.3005,
88.9984

 32.3731, 16.4292,
13.2514

 82.3419, 93.6327,
99.9943

 83.9343, 94.2697,
108.3798

Harmonies

Analogous

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



42.5293, 34.4351, 62.1638



45.4575, 34.4351, 42.7788



44.6656, 34.4351, 26.8138

Triad

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



45.4575, 34.4351, 42.7788



28.7499, 34.4351, 14.4062



26.0364, 34.4351, 69.4441

Complementary

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



45.4575, 34.4351, 42.7788



43.6692, 60.3255, 53.0614

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.



23.1353, 34.4351, 50.6892



45.4575, 34.4351, 42.7788



24.5642, 34.4351, 20.4045

Square

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



45.4575, 34.4351, 42.7788



34.5263, 34.4351, 13.4592



22.6313, 34.4351, 32.6634



30.9962, 34.4351, 80.3570

Rectangle

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



45.4575, 34.4351, 42.7788



42.1705, 34.4351, 19.7248



22.6313, 34.4351, 32.6634



24.8146, 34.4351, 63.6197

Sweetspot

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



45.4585, 34.4367, 42.7795



83.4412, 80.9617, 92.1461



40.1313, 31.0165, 72.9792



17.6118, 16.9256, 19.3553



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.



45.4585, 34.4367, 42.7795



57.5791, 40.0422, 50.2160



42.7630, 34.3596, 25.4993



13.9598, 13.8015, 15.5584



19.2830, 9.7802, 8.1560



1.3812, 0.6957, 0.8000

Inverse Universe

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



45.4585, 34.4367, 42.7795



57.5791, 40.0422, 50.2160



47.3080, 59.8528, 78.1669



13.9598, 13.8015, 15.5584



19.2830, 9.7802, 8.1560



1.3812, 0.6957, 0.8000

Previews

White Background



This preview shows how the XYZ color 45.4575, 34.4351, 42.7788 looks on a white background.

Color Contrast Check

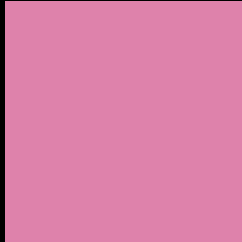
Large Text (above 18pt) WCAG AA × Fail

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 45.4575, 34.4351, 42.7788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

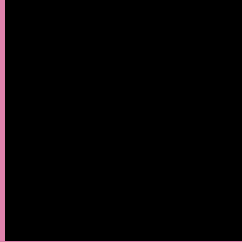
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4575, 34.4351, 42.7788

Background



This preview shows how black text looks on a background with the XYZ color 45.4575, 34.4351, 42.7788.



This preview shows how white text looks on a background with the XYZ color 45.4575, 34.4351,

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

45.4575, 34.4351, 42.7788

Protanopia

34.5490, 34.9001, 53.0596

Deuteranopia

35.3252, 34.5591, 41.3680



Tritanopia

42.9882, 34.4323, 31.1684

Trichromacy



Original Color

45.4575, 34.4351, 42.7788

Protanomaly

37.3935, 34.0222, 48.8521

Deuteranomaly

38.4285, 34.0251, 41.5879

Tritanomaly

43.7355, 34.3238, 34.8919

Monochromacy



Original Color

45.4575, 34.4351, 42.7788

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.4650, 34.7197, 40.3243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4575, 34.4351, 42.7788 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(222, 130, 171)` looks like.

```
.text, #text, p{  
    color:rgb(222, 130, 171)  
}
```

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(222, 130, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 130, 171) }
```

Border

The CSS property to change the border of an element to XYZ 45.4575, 34.4351, 42.7788 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(222, 130, 171) }
```


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

```
.border{ border-color:rgb(222, 130, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 130, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 130, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 130, 171);  
box-shadow:4px 4px 4px 4px rgb(222, 130,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4575, 34.4351, 42.7788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 130, 171) }
```

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

```
.background{ background-color: rgb(222,  
130, 171) }
```

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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