

Converting Colors

XYZ(45.9178, 35.7168, 42.6038)

Have a look what the booklet for
XYZ(45.9178, 35.7168, 42.6038)
contains.

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Color

**XYZ(45.7385, 35.6024,
42.4915)**

Conversions

Conversions Part 1

Format	Color
Hex	DD87AA
RGB	221, 135, 170
RGB Percent	87%, 53%, 67%
CMY	0.1333, 0.4706, 0.3333
CMYK	0.00, 0.39, 0.23, 0.13
HSL	336°, 56%, 70%
HSV	336°, 39%, 87%
XYZ	45.7385, 35.6024, 42.4915
YIQ	164.7040, 40.0210, 29.1170

Conversions

Conversions Part 2

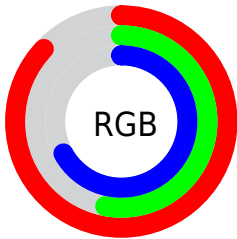
Format	Color
R _Y B	221, 135, 170
Decimal	14518186
CIE Lab	66.22, 37.44, -4.40
CIE LCh	66, 37.701, 353.292
Yxy	35.6024, 0.3694, 0.2875
Android (android.graphics.Color)	4292708266 (0xFFDD87AA)
YUV	164.7040, 2.6109, 49.3716
Hunter-Lab	59.6677, 32.4112, -0.4551

Details

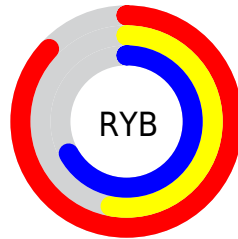
The XYZ color **45.7385, 35.6024, 42.4915** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **44.7127, 60.4100, 55.7610**, and the grayscale version is **35.5979, 37.4517, 40.7849**.

A 20% lighter version of the original color is **73.2441, 63.5232, 79.6350**, and **21.6731, 15.3870, 18.9672** is the 20% darker color. If you saturate the color by 10%, you get **41.7904, 29.5922, 35.3603**, and if you desaturate by 10%, it is **50.4523, 42.9454, 50.4886**.

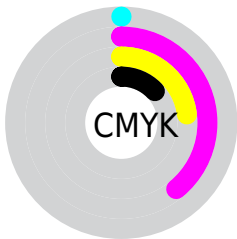
Distribution



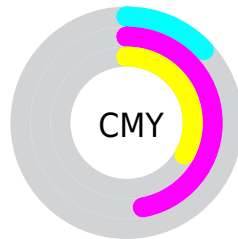
- Red (87%)
- Green (53%)
- Blue (67%)



- Red (87%)
- Yellow (53%)
- Blue (67%)



- Cyan (0%)
- Magenta (39%)
- Yellow (23%)
- Black (13%)





- Cyan (13%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7385, 35.6024, 42.4915 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 45.7385, 35.6024, 42.4915 by changing the saturation by 10% instead.


 45.7385, 35.6024,
42.4915


 45.7385, 35.6024,
42.4915

360.4899,
327.2194, 372.3760

 32.2433, 24.1273,
29.1579


 83.0578, 68.4179,
80.2211

 21.7038, 15.4281,
18.9537


 107.6125, 90.5271,
105.4541

 13.7548, 9.1204,
11.4604


 136.5845,
116.9498, 135.4907

 8.0309, 4.8198,
6.2593

170.3390,
148.0704, 170.7494

 4.1667, 2.1419,
2.9321

209.2414,
184.2732, 211.6487

 1.7969, 0.6880,
1.0601

253.6572,

 0.5158, 0.0000,

225.9428, 258.6072

0.0000

303.9516,
273.4633, 312.0435

■ 0.0000, 0.0000,
0.0000

■ 45.7385, 35.6024,
42.4915

■ 45.7385, 35.6024,
42.4915

■ 41.7904, 29.5922,
35.3603

■ 50.4523, 42.9454,
50.4886

■ 38.5613, 24.8283,
29.0606

■ 55.9685, 51.6903,
59.3797

■ 36.0042, 21.2224,
23.5584

■ 62.3253, 61.9076,
69.1943

■ 34.0646, 18.6718,
18.8160

■ 69.5574, 73.6616,
79.9598

■ 32.6787, 17.0556,
14.7914

■ 77.6973, 87.0127,
91.7021

■ 31.7490, 16.1860,
11.4304

■ 82.6218, 93.7094,
103.0616

■ 31.6617, 16.1093,
11.0990

■ 83.6290, 94.1122,
108.3655

Harmonies

Analogous

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



43.2569, 35.6024, 60.3487



45.7385, 35.6024, 42.4915



44.7599, 35.6024, 27.7756

Triad

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



45.7385, 35.6024, 42.4915



29.7456, 35.6024, 16.7301



27.7851, 35.6024, 69.2251

Complementary

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



45.7385, 35.6024, 42.4915



44.7127, 60.4100, 55.7610

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.



24.8568, 35.6024, 52.3268



45.7385, 35.6024, 42.4915



25.8981, 35.6024, 23.0599

Square

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



45.7385, 35.6024, 42.4915



35.1164, 35.6024, 15.4458



24.2062, 35.6024, 35.2629



32.5930, 35.6024, 78.3130

Rectangle

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



45.7385, 35.6024, 42.4915



42.3246, 35.6024, 21.1883



24.2062, 35.6024, 35.2629



26.5709, 35.6024, 64.0781

Sweetspot

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



45.7395, 35.6041, 42.4922



83.2678, 80.8924, 91.2329



41.7645, 32.8854, 72.5533



17.5711, 16.9093, 19.1408



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.



45.7395, 35.6041, 42.4922



58.5685, 42.0873, 50.3415



43.8911, 36.5189, 27.6593



13.2746, 13.1389, 14.7071



18.4456, 9.3793, 6.7264



1.2370, 0.6244, 0.6571

Inverse Universe

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



45.7395, 35.6041, 42.4922



58.5685, 42.0873, 50.3415



47.0485, 58.3812, 77.1960



13.2746, 13.1389, 14.7071



18.4456, 9.3793, 6.7264



1.2370, 0.6244, 0.6571

Previews

White Background



This preview shows how the XYZ color 45.7385, 35.6024, 42.4915 looks on a white background.

Color Contrast Check

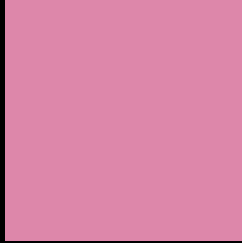
Large Text (above 18pt) WCAG AA × Fail

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 45.7385, 35.6024, 42.4915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

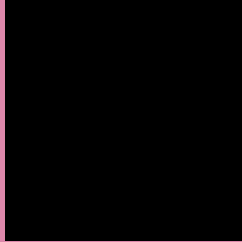
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7385, 35.6024, 42.4915

Background



This preview shows how black text looks on a background with the XYZ color 45.7385, 35.6024, 42.4915.



This preview shows how white text looks on a background with the XYZ color 45.7385, 35.6024,

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

45.7385, 35.6024, 42.4915

Protanopia

35.3384, 35.8549, 51.5125

Deuteranopia

36.4506, 35.6441, 41.0352



Tritanopia

43.8709, 35.6952, 33.0114

Trichromacy



Original Color

45.7385, 35.6024, 42.4915

Protanomaly

38.1272, 35.1318, 47.9516

Deuteranomaly

39.3032, 35.1763, 41.2774

Tritanomaly

44.6895, 35.8269, 36.4582

Monochromacy



Original Color

45.7385, 35.6024, 42.4915

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.5382, 36.2155, 41.5183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7385, 35.6024, 42.4915 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(221, 135, 170)` looks like.

```
.text, #text, p{  
    color:rgb(221, 135, 170)  
}
```

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(221, 135, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 135, 170) }
```

Border

The CSS property to change the border of an element to XYZ 45.7385, 35.6024, 42.4915 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(221, 135, 170) }
```


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

```
.border{ border-color:rgb(221, 135, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 135, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 135, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 135, 170);  
box-shadow:4px 4px 4px 4px rgb(221, 135,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7385, 35.6024, 42.4915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 135, 170) }
```

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

```
.background{ background-color: rgb(221,  
135, 170) }
```

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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