

Converting Colors

XYZ(42.6639, 25.1792, 41.7359)

Have a look what the booklet for
XYZ(42.6639, 25.1792, 41.7359)
contains.

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Color

**XYZ(42.8039, 25.2503,
41.6475)**

Conversions

Conversions Part 1

Format	Color
Hex	E64EAC
RGB	230, 78, 172
RGB Percent	90%, 31%, 67%
CMY	0.0980, 0.6941, 0.3255
CMYK	0.00, 0.66, 0.25, 0.10
HSL	323°, 75%, 60%
HSV	323°, 66%, 90%
XYZ	42.8039, 25.2503, 41.6475
YIQ	134.1640, 60.4180, 61.4580

Conversions

Conversions Part 2

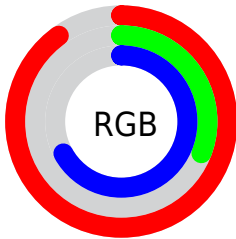
Format	Color
RYB	230, 78, 172
Decimal	15093420
CIELab	57.32, 67.22, -18.77
CIElCh	57, 69.795, 344.401
Yxy	25.2503, 0.3902, 0.2302
Android (android.graphics.Color)	4293283500 (0xFFE64EAC)
YUV	134.1640, 18.6531, 84.0482
Hunter-Lab	50.2497, 64.1137, -13.9654

Details

The XYZ color **42.8039, 25.2503, 41.6475** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **35.8840, 59.9917, 32.9839**, and the grayscale version is **22.6395, 23.8185, 25.9384**.

A 20% lighter version of the original color is **63.9093, 44.4144, 77.8775**, and **19.9677, 9.9021, 18.6282** is the 20% darker color. If you saturate the color by 10%, you get **40.6308, 22.2086, 36.9007**, and if you desaturate by 10%, it is **45.6054, 29.4591, 46.8788**.

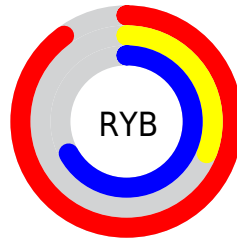
Distribution



Red (90%)

Green (31%)

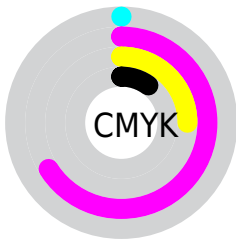
Blue (67%)



Red (90%)

Yellow (31%)

Blue (67%)

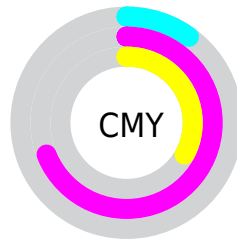


Cyan (0%)

Magenta (66%)

Yellow (25%)

Black (10%)



Cyan (10%)

Magenta (69%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8039, 25.2503, 41.6475 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 42.8039, 25.2503, 41.6475 by changing the saturation by 10% instead.

42.8039, 25.2503,
41.6475

42.8039, 25.2503,
41.6475

348.7399,
279.0822, 368.7761

29.9251, 16.2636,
28.5019

78.6724, 52.0630,
78.9302

19.9296, 9.7109,
18.4620

102.3929, 70.6578,
103.9043

12.4518, 5.2077,
11.1093

130.4579, 93.2241,
133.6583

7.1266, 2.3696,
6.0253

163.2330,
120.1464, 168.6108

3.5884, 0.8102,
2.7914

201.0833,
151.8089, 209.1803

1.4720, 0.0000,
0.9892

244.3744,

0.3067, 0.0000,

188.5961, 255.7853

0.0000

293.4714,
230.8924, 308.8444

■ 0.0000, 0.0000,
0.0000

■ 42.8039, 25.2503,
41.6475

■ 42.8039, 25.2503,
41.6475

■ 40.6308, 22.2086,
36.9007

■ 45.6054, 29.4591,
46.8788

■ 39.0200, 20.2045,
32.6107

■ 49.0875, 34.9387,
52.6167

■ 37.8937, 19.0837,
28.7461

■ 53.2995, 41.7856,
58.8826

■ 37.5332, 18.7831,
27.3301

■ 58.2852, 50.0859,
65.6961

■ 64.0848, 59.9186,
73.0752

70.7357, 71.3569,
81.0371

78.2729, 84.4693,
89.5980

84.4525, 94.7668,
98.0143

85.8045, 95.3076,
105.1335

Harmonies

Analogous

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



36.9329, 25.2503, 74.5523



42.8039, 25.2503, 41.6475



42.9307, 25.2503, 17.6516

Triad

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



42.8039, 25.2503, 41.6475



20.2583, 25.2503, 2.7682



14.3372, 25.2503, 73.2499

Complementary

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



42.8039, 25.2503, 41.6475



35.8840, 59.9917, 32.9839

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.



11.6578, 25.2503, 40.4454



42.8039, 25.2503, 41.6475



14.5047, 25.2503, 6.1040

Square

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



42.8039, 25.2503, 41.6475



28.5346, 25.2503, 2.8219



11.7111, 25.2503, 16.9755



19.9726, 25.2503, 98.8158

Rectangle

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



42.8039, 25.2503, 41.6475



39.6558, 25.2503, 8.9558



11.7111, 25.2503, 16.9755



13.1251, 25.2503, 62.0824

Sweetspot

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



42.8047, 25.2516, 41.6480



77.9062, 70.4751, 88.5027



26.7979, 16.2100, 76.5797



16.2346, 14.3383, 18.3810



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.



42.8047, 25.2516, 41.6480



50.5870, 27.0761, 44.7464



37.5758, 23.1600, 14.1131



14.7498, 14.5171, 16.8827



21.3105, 10.6584, 15.7960



1.6197, 0.8056, 1.4040

Inverse Universe

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



42.8047, 25.2516, 41.6480



50.5870, 27.0761, 44.7464



43.0393, 62.8538, 70.6633



14.7498, 14.5171, 16.8827



21.3105, 10.6584, 15.7960



1.6197, 0.8056, 1.4040

Previews

White Background



This preview shows how the XYZ color 42.8039, 25.2503, 41.6475 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 42.8039, 25.2503, 41.6475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

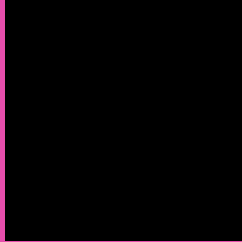
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.8039, 25.2503, 41.6475

Background



This preview shows how black text looks on a background with the XYZ color 42.8039, 25.2503, 41.6475.

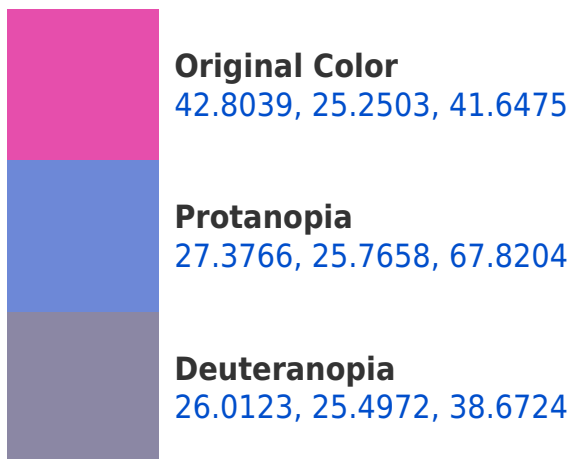


This preview shows how white text looks on a background with the XYZ color 42.8039, 25.2503,

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

37.3216, 25.1723, 15.4621

Trichromacy



Original Color

42.8039, 25.2503, 41.6475



Protanomaly

29.5764, 23.1573, 56.9438



Deuteranomaly

30.0056, 23.5953, 39.5321



Tritanomaly

38.7672, 24.8458, 22.8311

Monochromacy



Original Color

42.8039, 25.2503, 41.6475



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

27.7248, 22.6078, 30.9195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8039, 25.2503, 41.6475 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(230, 78, 172)` looks like.

```
.text, #text, p{  
    color:rgb(230, 78, 172)  
}
```

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(230, 78, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 78, 172) }
```

Border

The CSS property to change the border of an element to XYZ 42.8039, 25.2503, 41.6475 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(230, 78, 172) }
```


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

```
.border{ border-color:rgb(230, 78, 172) }
```

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

Here you see how a box with a 4 pixel rgb(230, 78, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 78, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 78, 172);  
box-shadow:4px 4px 4px 4px rgb(230, 78,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8039, 25.2503, 41.6475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 78, 172) }
```

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

```
.background{ background-color: rgb(230, 78,  
172) }
```

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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