

Converting Colors

XYZ(41.9053, 24.6193, 38.5321)

Have a look what the booklet for
XYZ(41.9053, 24.6193, 38.5321)
contains.

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Color

**XYZ(42.1005, 24.7451,
38.6337)**

Conversions

Conversions Part 1

Format	Color
Hex	E64CA6
RGB	230, 76, 166
RGB Percent	90%, 30%, 65%
CMY	0.0980, 0.7019, 0.3490
CMYK	0.00, 0.67, 0.28, 0.10
HSL	325°, 75%, 60%
HSV	325°, 67%, 90%
XYZ	42.1005, 24.7451, 38.6337
YIQ	132.3060, 62.8940, 60.6380

Conversions

Conversions Part 2

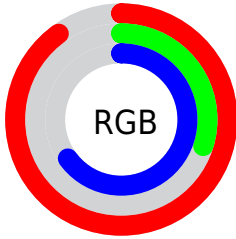
Format	Color
R _{YB}	230, 76, 166
Decimal	15092902
CIE _{Lab}	56.83, 67.24, -16.03
CIE _{LCh}	57, 69.119, 346.592
Yxy	24.7451, 0.3991, 0.2346
Android (android.graphics.Color)	4293282982 (0xFFE64CA6)
YUV	132.3060, 16.6111, 85.6776
Hunter-Lab	49.7444, 64.0181, -11.2261

Details

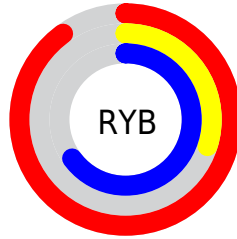
The XYZ color **42.1005, 24.7451, 38.6337** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **36.0124, 60.0243, 34.5023**, and the grayscale version is **21.9699, 23.1141, 25.1712**.

A 20% lighter version of the original color is **62.8162, 43.5307, 73.4981**, and **19.6148, 9.7610, 16.7698** is the 20% darker color. If you saturate the color by 10%, you get **39.9449, 21.7854, 33.7485**, and if you desaturate by 10%, it is **44.8889, 28.8657, 44.0518**.

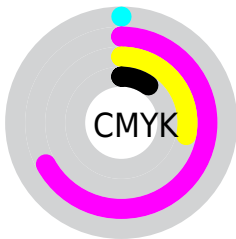
Distribution



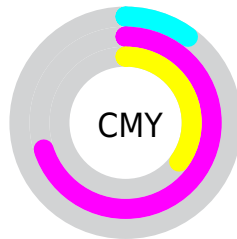
- Red (90%)
- Green (30%)
- Blue (65%)



- Red (90%)
- Yellow (30%)
- Blue (65%)



- Cyan (0%)
- Magenta (67%)
- Yellow (28%)
- Black (10%)





- Cyan (10%)
- Magenta (70%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1005, 24.7451, 38.6337 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 42.1005, 24.7451, 38.6337 by changing the saturation by 10% instead.

 42.1005, 24.7451,
38.6337


 42.1005, 24.7451,
38.6337


345.8839,
276.5661, 355.7100

 29.3714, 15.8872,
26.1692


 77.6159, 51.2434,
74.2926


 19.5077, 9.4444,
16.7234


 101.1330, 69.6526,
98.3241


 12.1439, 5.0322,
9.8776


 128.9768, 92.0145,
127.0483

 6.9146, 2.2661,
5.2133

 161.5126,
118.7133, 160.8839

 3.4546, 0.7557,
2.3121

 199.1059,
150.1334, 200.2493

 1.3985, 0.0000,
0.7380

242.1220,

 0.2551, 0.0000,

186.6594, 245.5631

0.0000

290.9262,
228.6755, 297.2438

■ 0.0000, 0.0000,
0.0000

■ 42.1005, 24.7451,
38.6337

■ 42.1005, 24.7451,
38.6337

■ 39.9449, 21.7854,
33.7485

■ 44.8889, 28.8657,
44.0518

■ 38.3549, 19.8549,
29.3663

■ 48.3633, 34.2522,
50.0268


■ 37.2479, 18.7906,
25.4525

■ 52.5739, 41.0022,
56.5820


■ 36.9650, 18.5557,
24.3380


■ 57.5650, 49.2028,
63.7386

■ 63.3775, 58.9333,
71.5163

 70.0493, 70.2678,
79.9338

 77.6157, 83.2751,
89.0088

 84.4913, 94.7823,
98.2184

 85.9688, 95.3733,
105.9993

Harmonies

Analogous

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



36.7081, 24.7451, 70.5444



42.1005, 24.7451, 38.6337



41.7719, 24.7451, 16.1299

Triad

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



42.1005, 24.7451, 38.6337



19.3561, 24.7451, 2.8412



14.3771, 24.7451, 73.9182

Complementary

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



42.1005, 24.7451, 38.6337



36.0124, 60.0243, 34.5023

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.



11.5510, 24.7451, 41.7510



42.1005, 24.7451, 38.6337



13.9418, 24.7451, 6.4749

Square

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



42.1005, 24.7451, 38.6337



27.3091, 24.7451, 2.7007



11.4125, 24.7451, 17.8867



20.0977, 24.7451, 97.5387

Rectangle

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



42.1005, 24.7451, 38.6337



38.3288, 24.7451, 8.1709



11.4125, 24.7451, 17.8867



13.1207, 24.7451, 63.1232

Sweetspot

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



42.1012, 24.7464, 38.6341



77.6560, 70.3750, 87.1852



27.2841, 16.2530, 76.5622



16.1745, 14.3142, 18.0645



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.



42.1012, 24.7464, 38.6341



49.7000, 26.5381, 40.6403



37.1243, 22.7556, 12.4258



14.7285, 14.5086, 16.7706



20.9897, 10.5301, 14.1067



1.5971, 0.7965, 1.2848

Inverse Universe

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



42.1012, 24.7464, 38.6341



49.7000, 26.5381, 40.6403



43.4926, 63.0164, 73.8927



14.7285, 14.5086, 16.7706



20.9897, 10.5301, 14.1067



1.5971, 0.7965, 1.2848

Previews

White Background



This preview shows how the XYZ color 42.1005, 24.7451, 38.6337 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 42.1005, 24.7451, 38.6337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

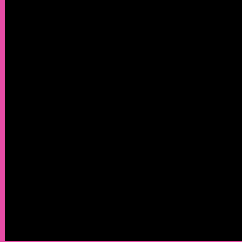
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.1005, 24.7451, 38.6337

Background



This preview shows how black text looks on a background with the XYZ color 42.1005, 24.7451, 38.6337.



This preview shows how white text looks on a background with the XYZ color 42.1005, 24.7451,

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

42.1005, 24.7451, 38.6337

Protanopia

26.4658, 24.9838, 63.1020

Deuteranopia

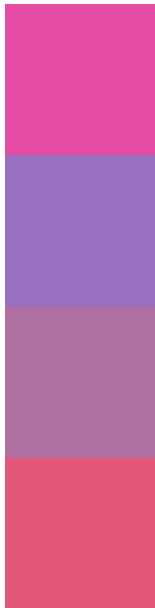
25.3743, 24.8191, 35.8010



Tritanopia

37.2178, 24.7371, 14.6175

Trichromacy



Original Color

42.1005, 24.7451, 38.6337

Protanomaly

28.8572, 22.5305, 53.2800

Deuteranomaly

29.4608, 23.0458, 36.6137

Tritanomaly

38.6619, 24.5773, 21.4451

Monochromacy



Original Color

42.1005, 24.7451, 38.6337

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

26.9767, 21.9268, 29.1960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1005, 24.7451, 38.6337 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, 76, 166)` looks like.

```
.text, #text, p{  
    color:rgb(230, 76, 166)  
}
```

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, 76, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 76, 166) }
```

Border

The CSS property to change the border of an element to XYZ 42.1005, 24.7451, 38.6337 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, 76, 166) }
```


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

```
.border{ border-color:rgb(230, 76, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 76, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 76, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 76, 166);  
box-shadow:4px 4px 4px 4px rgb(230, 76,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1005, 24.7451, 38.6337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 76, 166) }
```

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

```
.background{ background-color: rgb(230, 76,  
166) }
```

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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