

Converting Colors

XYZ(40.2970, 21.1811, 46.4997)

Have a look what the booklet for
XYZ(40.2970, 21.1811, 46.4997)
contains.

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Color

**XYZ(40.2261, 21.1430,
46.7606)**

Conversions

Conversions Part 1

Format	Color
Hex	E02DB7
RGB	224, 45, 183
RGB Percent	88%, 18%, 72%
CMY	0.1216, 0.8235, 0.2824
CMYK	0.00, 0.80, 0.18, 0.12
HSL	314°, 74%, 53%
HSV	314°, 80%, 88%
XYZ	40.2261, 21.1430, 46.7606
YIQ	114.2530, 62.3860, 80.8660

Conversions

Conversions Part 2

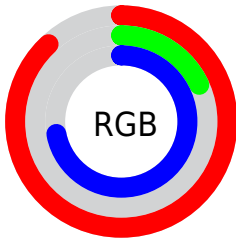
Format	Color
RYB	224, 45, 183
Decimal	14691767
CIELab	53.11, 77.53, -31.75
CIELCh	53, 83.778, 337.733
Yxy	21.1430, 0.3720, 0.1955
Android (android.graphics.Color)	4292881847 (0xFFE02DB7)
YUV	114.2530, 33.8923, 96.2481
Hunter-Lab	45.9815, 75.6898, -28.1075

Details

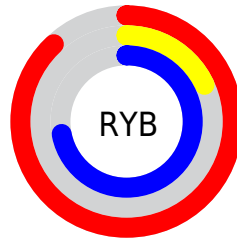
The XYZ color **40.2261, 21.1430, 46.7606** is a light color, and the websafe version is hex **CC0099**. The color can be described as light washed rose. A complement of this color would be **29.4188, 54.5419, 17.7840**, and the grayscale version is **15.9605, 16.7916, 18.2861**.

A 20% lighter version of the original color is **62.6142, 39.0803, 85.9045**, and **19.3391, 9.5042, 21.9343** is the 20% darker color. If you saturate the color by 10%, you get **39.0622, 19.6540, 43.7855**, and if you desaturate by 10%, it is **41.8637, 23.5475, 49.9900**.

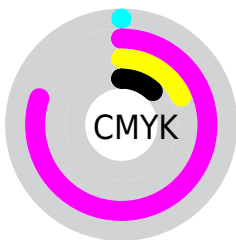
Distribution



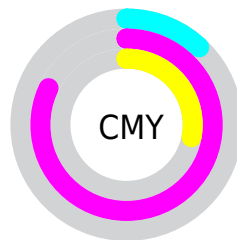
- Red (88%)
- Green (18%)
- Blue (72%)



- Red (88%)
- Yellow (18%)
- Blue (72%)



- Cyan (0%)
- Magenta (80%)
- Yellow (18%)
- Black (12%)





- Cyan (12%)
- Magenta (82%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2261, 21.1430, 46.7606 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 40.2261, 21.1430, 46.7606 by changing the saturation by 10% instead.

 40.2261, 21.1430,
46.7606


 40.2261, 21.1430,
46.7606


338.1937,
258.0375, 390.2242

 27.8999, 13.2286,
32.4935


 74.7898, 45.3254,
86.7024


 18.3903, 7.5861,
21.4707


 97.7581, 62.3622,
113.2141


 11.3319, 3.8313,
13.2740


 125.0043, 83.2085,
144.6445

 6.3595, 1.5796,
7.4845

 156.8940,
108.2488, 181.4120

 3.1076, 0.3438,
3.6839

 193.7924,
137.8674, 223.9351

 1.2109, 0.0000,
1.4536

236.0649,

 0.1150, 0.0000,

172.4488, 272.6325

0.1830

284.0769,
212.3774, 327.9227

■ 0.0000, 0.0000,
0.0000

■ 40.2261, 21.1430,
46.7606

■ 40.2261, 21.1430,
46.7606

■ 39.0622, 19.6540,
43.7855

■ 41.8637, 23.5475,
49.9900

■ 38.2605, 18.8590,
41.0260


■ 44.0361, 26.9903,
53.4945


■ 38.2534, 18.8525,
41.0004


■ 46.7969, 31.5783,
57.2933


■ 50.1930, 37.4045,
61.4028

■ 54.2660, 44.5523,
65.8379

 59.0542, 53.0978,
70.6123

 64.5929, 63.1112,
75.7387

 70.9150, 74.6581,
81.2290

 78.0515, 87.8001,
87.0943

Harmonies

Analogous

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



32.3612, 21.1430, 86.7432



40.2261, 21.1430, 46.7606



42.0155, 21.1430, 17.0858

Triad

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



40.2261, 21.1430, 46.7606



17.8996, 21.1430, 0.5975



9.4473, 21.1430, 67.3619

Complementary

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



40.2261, 21.1430, 46.7606



29.4188, 54.5419, 17.7840

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.



7.5415, 21.1430, 30.1928



40.2261, 21.1430, 46.7606



11.4026, 21.1430, 2.0137

Square

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



40.2261, 21.1430, 46.7606



27.2301, 21.1430, 0.9811



8.1340, 21.1430, 9.0873



14.3311, 21.1430, 103.5463

Rectangle

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



40.2261, 21.1430, 46.7606



39.1505, 21.1430, 7.0109



8.1340, 21.1430, 9.0873



8.5136, 21.1430, 53.8196

Sweetspot

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



40.2268, 21.1441, 46.7610



76.3617, 66.1043, 91.9390



18.0312, 9.1350, 71.3343



15.8593, 13.2844, 19.1905



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.



40.2268, 21.1441, 46.7610



51.6507, 25.6014, 56.2060



33.7783, 18.5647, 12.8034



14.1537, 13.8791, 16.5794



22.3120, 10.9918, 24.1064



1.5797, 0.7752, 1.8457

Inverse Universe

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



40.2268, 21.1441, 46.7610



51.6507, 25.6014, 56.2060



35.3093, 56.8981, 48.8026



14.1537, 13.8791, 16.5794



22.3120, 10.9918, 24.1064



1.5797, 0.7752, 1.8457

Previews

White Background



This preview shows how the XYZ color 40.2261, 21.1430, 46.7606 looks on a white background.

Color Contrast Check

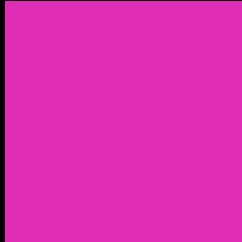
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.2261, 21.1430, 46.7606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

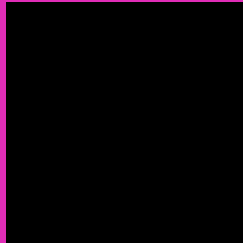
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.2261, 21.1430, 46.7606

Background



This preview shows how black text looks on a background with the XYZ color 40.2261, 21.1430, 46.7606.



This preview shows how white text looks on a background with the XYZ color 40.2261, 21.1430,

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

40.2261, 21.1430, 46.7606

Protanopia

25.4470, 21.6935, 90.8418

Deuteranopia

21.9431, 21.5162, 42.5317



Tritanopia

32.9410, 21.1557, 11.1514

Trichromacy



Original Color

40.2261, 21.1430, 46.7606



Protanomaly

24.7492, 17.2792, 72.5518



Deuteranomaly

25.5369, 18.5937, 43.8380



Tritanomaly

34.7317, 20.5748, 20.2299

Monochromacy



Original Color

40.2261, 21.1430, 46.7606



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

21.5590, 15.8789, 26.3547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2261, 21.1430, 46.7606 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(224, 45, 183)` looks like.

```
.text, #text, p{  
    color:rgb(224, 45, 183)  
}
```

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(224, 45, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 45, 183) }
```

Border

The CSS property to change the border of an element to XYZ 40.2261, 21.1430, 46.7606 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(224, 45, 183) }
```


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

```
.border{ border-color:rgb(224, 45, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 45, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 45, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 45, 183);  
box-shadow:4px 4px 4px 4px rgb(224, 45,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2261, 21.1430, 46.7606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 45, 183) }
```

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

```
.background{ background-color: rgb(224, 45,  
183) }
```

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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