

Converting Colors

XYZ(40.3050, 19.8732, 42.7633)

Have a look what the booklet for
XYZ(40.3050, 19.8732, 42.7633)
contains.

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Color

**XYZ(40.4696, 19.9576,
42.7935)**

Conversions

Conversions Part 1

Format	Color
Hex	E600B0
RGB	230, 0, 176
RGB Percent	90%, 0%, 69%
CMY	0.0980, 0.9998, 0.3098
CMYK	0.00, 1.00, 0.23, 0.10
HSL	314°, 100%, 45%
HSV	314°, 100%, 90%
XYZ	40.4696, 19.9576, 42.7935
YIQ	88.8340, 80.5840, 103.4960

Conversions

Conversions Part 2

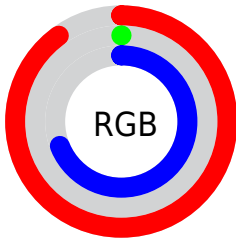
Format	Color
R_{YB}	230, 0, 176
Decimal	15073456
CIE _{Lab}	51.79, 83.96, -29.62
CIE _{LCh}	52, 89.032, 340.567
Yxy	19.9576, 0.3921, 0.1933
Android (android.graphics.Color)	4293263536 (0xFFE600B0)
YUV	88.8340, 42.9728, 123.8026
Hunter-Lab	44.6739, 83.5217, -25.5226

Details

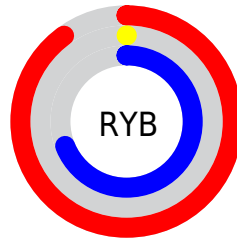
The XYZ color **40.4696, 19.9576, 42.7935** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **28.9645, 56.8609, 12.9444**, and the grayscale version is **9.3604, 9.8479, 10.7244**.

A 20% lighter version of the original color is **60.0802, 35.6356, 80.0557**, and **19.9373, 9.8651, 19.5922** is the 20% darker color. If you saturate the color by 10%, you get **40.4687, 19.9572, 42.7880**, and if you desaturate by 10%, it is **41.3223, 20.7904, 45.7673**.

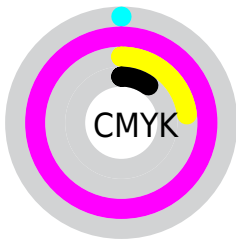
Distribution



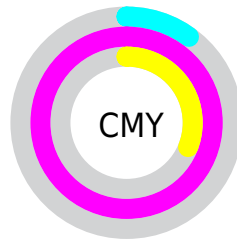
- Red (90%)
- Green (0%)
- Blue (69%)



- Red (90%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4696, 19.9576, 42.7935 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 40.4696, 19.9576, 42.7935 by changing the saturation by 10% instead.


 40.4696, 19.9576,
42.7935


 40.4696, 19.9576,
42.7935


339.1995,
251.6855, 373.6581

 28.0907, 12.3642,
29.3929


 75.1579, 43.3461,
80.6822


 18.5349, 6.9922,
19.1301


 98.1980, 59.9100,
106.0073


 11.4367, 3.4572,
11.5866


 125.5225, 80.2329,
136.1444

 6.4308, 1.3749,
6.3437

 157.4969,
104.6991, 171.5120

 3.1519, 0.1981,
2.9830

 194.4864,
133.6931, 212.5287

 1.2346, 0.0000,
1.0860

 236.8564,

 0.1334, 0.0000,

167.5992, 259.6128

0.0000

284.9724,
206.8019, 313.1831

■ 0.0000, 0.0000,
0.0000

■ 40.4696, 19.9576,
42.7935

■ 40.4696, 19.9576,
42.7935

■ 40.4687, 19.9572,
42.7880

■ 41.3223, 20.7904,
45.7673

■ 42.5606, 22.3601,
48.9757

■ 44.3012, 24.8998,
52.4587

■ 46.6119, 28.5444,
56.2402

■ 49.5495, 33.4072,
60.3402

■ 53.1637, 39.5875,
64.7764

■ 57.4993, 47.1743,
69.5648

■ 62.5971, 56.2489,
74.7201

■ 68.4948, 66.8863,
80.2559

Harmonies

Analogous

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



32.6279, 19.9576, 85.4941



40.4696, 19.9576, 42.7935



41.6303, 19.9576, 13.8366

Triad

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



40.4696, 19.9576, 42.7935



15.9636, 19.9576, 0.1237



8.6107, 19.9576, 72.6668

Complementary

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



40.4696, 19.9576, 42.7935



28.9645, 56.8609, 12.9444

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.



6.5194, 19.9576, 32.1686



40.4696, 19.9576, 42.7935



9.7794, 19.9576, 1.6254

Square

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



40.4696, 19.9576, 42.7935



25.3427, 19.9576, 0.3728



6.8658, 19.9576, 9.0420



13.7652, 19.9576, 110.2574

Rectangle

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



40.4696, 19.9576, 42.7935



38.1588, 19.9576, 4.9961



6.8658, 19.9576, 9.0420



7.6135, 19.9576, 58.0309

Sweetspot

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



40.4703, 19.9587, 42.7938



72.5513, 59.4166, 87.7927



15.7889, 6.4903, 75.2838



15.0088, 11.8028, 18.2309



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.



40.4703, 19.9587, 42.7938



51.1037, 25.2055, 53.8717



33.4860, 17.1650, 6.0152



14.8428, 14.5543, 17.3724



22.9605, 11.3184, 24.4849



1.7318, 0.8504, 1.9944

Inverse Universe

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



40.4703, 19.9587, 42.7938



51.1037, 25.2055, 53.8717



35.4289, 59.4467, 46.9855



14.8428, 14.5543, 17.3724



22.9605, 11.3184, 24.4849



1.7318, 0.8504, 1.9944

Previews

White Background



This preview shows how the XYZ color 40.4696, 19.9576, 42.7935 looks on a white background.

Color Contrast Check

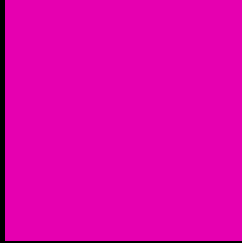
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.4696, 19.9576, 42.7935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

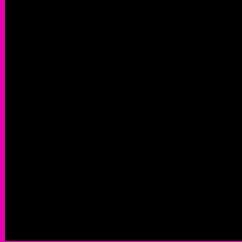
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.4696, 19.9576, 42.7935

Background



This preview shows how black text looks on a background with the XYZ color 40.4696, 19.9576, 42.7935.



This preview shows how white text looks on a background with the XYZ color 40.4696, 19.9576,

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

40.4696, 19.9576, 42.7935

Protanopia

24.9294, 21.0082, 93.1835

Deuteranopia

21.0769, 20.5955, 38.4618



Tritanopia

33.4549, 20.2669, 8.4520

Trichromacy



Original Color

40.4696, 19.9576, 42.7935



Protanomaly

22.1575, 13.8236, 71.3124



Deuteranomaly

23.7904, 15.4814, 39.2704



Tritanomaly

34.7665, 18.9347, 16.5742

Monochromacy



Original Color

40.4696, 19.9576, 42.7935



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.7295, 9.8822, 19.1676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4696, 19.9576, 42.7935 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, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 176)  
}
```

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, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 40.4696, 19.9576, 42.7935 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, 0, 176) }
```


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

```
.border{ border-color:rgb(230, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(230, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4696, 19.9576, 42.7935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 176) }
```

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

```
.background{ background-color: rgb(230, 0,  
176) }
```

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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