

Converting Colors

XYZ(41.7743, 20.4870, 49.3282)

Have a look what the booklet for
XYZ(41.7743, 20.4870, 49.3282)
contains.

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Color

**XYZ(41.7102, 20.4538,
49.3266)**

Conversions

Conversions Part 1

Format	Color
Hex	E600BC
RGB	230, 0, 188
RGB Percent	90%, 0%, 74%
CMY	0.0980, 0.9998, 0.2627
CMYK	0.00, 1.00, 0.18, 0.10
HSL	311°, 100%, 45%
HSV	311°, 100%, 90%
XYZ	41.7102, 20.4538, 49.3266
YIQ	90.2020, 76.7320, 107.2280

Conversions

Conversions Part 2

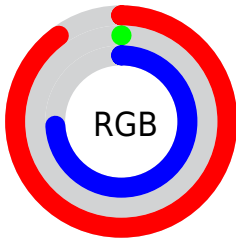
Format	Color
R_{YB}	230, 0, 188
Decimal	15073468
CIE _{Lab}	52.35, 85.36, -35.77
CIE _{LCh}	52, 92.553, 337.267
Yxy	20.4538, 0.3741, 0.1835
Android (android.graphics.Color)	4293263548 (0xFFE600BC)
YUV	90.2020, 48.2144, 122.6028
Hunter-Lab	45.2259, 85.4788, -33.0078

Details

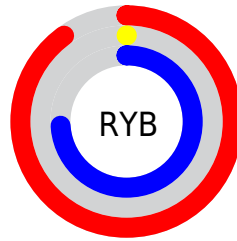
The XYZ color **41.7102, 20.4538, 49.3266** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **28.7162, 56.7617, 11.6371**, and the grayscale version is **9.6521, 10.1547, 11.0585**.

A 20% lighter version of the original color is **61.9961, 36.4020, 90.1449**, and **20.6653, 10.1562, 23.4254** is the 20% darker color. If you saturate the color by 10%, you get **41.7096, 20.4536, 49.3224**, and if you desaturate by 10%, it is **42.4773, 21.2523, 51.8494**.

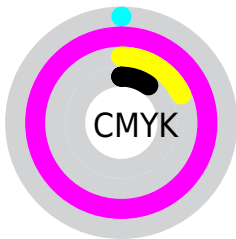
Distribution



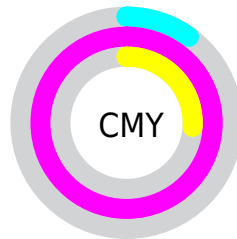
- Red (90%)
- Green (0%)
- Blue (74%)



- Red (90%)
- Yellow (0%)
- Blue (74%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (10%)



- Cyan (10%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7102, 20.4538, 49.3266 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 41.7102, 20.4538, 49.3266 by changing the saturation by 10% instead.

41.7102, 20.4538,
49.3266

41.7102, 20.4538,
49.3266

344.2923,
254.3613, 400.6860

29.0646, 12.7253,
34.5112

77.0288, 44.1767,
90.5623

19.2742, 7.2397,
23.0061

100.4324, 60.9400,
117.8198

11.9737, 3.6124,
14.3926

128.1527, 81.4836,
150.0616

6.7979, 1.4592,
8.2524

160.5551,
106.1920, 187.7064

3.3812, 0.2598,
4.1668

198.0049,
135.4496, 231.1727

1.3584, 0.0000,
1.7173

240.8674,

0.2263, 0.0000,

169.6407, 280.8790

0.3725

289.5081,
209.1498, 337.2440

■ 0.0000, 0.0000,
0.0000

■ 41.7102, 20.4538,
49.3266

■ 41.7102, 20.4538,
49.3266

■ 41.7096, 20.4536,
49.3224

■ 42.4773, 21.2523,
51.8494

■ 43.6216, 22.7842,
54.5635

■ 45.2600, 25.2829,
57.5083

■ 47.4599, 28.8830,
60.7069

■ 50.2781, 33.6979,
64.1788

■ 53.7642, 39.8268,
67.9410

■ 57.9629, 47.3586,
72.0090

■ 62.9148, 56.3746,
76.3966

■ 68.6575, 66.9498,
81.1171

Harmonies

Analogous

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



32.7805, 20.4538, 95.5736



41.7102, 20.4538, 49.3266



43.8694, 20.4538, 16.2704

Triad

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



41.7102, 20.4538, 49.3266



17.2138, 20.4538, 0.0000



8.2008, 20.4538, 71.5548

Complementary

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



41.7102, 20.4538, 49.3266



28.7162, 56.7617, 11.6371

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.



6.3409, 20.4538, 29.5900



41.7102, 20.4538, 49.3266



10.3224, 20.4538, 1.1739

Square

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



41.7102, 20.4538, 49.3266



27.4158, 20.4538, 0.3418



6.9650, 20.4538, 7.5244



13.1849, 20.4538, 114.1968

Rectangle

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



41.7102, 20.4538, 49.3266



40.6993, 20.4538, 5.8427



6.9650, 20.4538, 7.5244



7.2787, 20.4538, 56.0004

Sweetspot

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



41.7109, 20.4549, 49.3270



73.1414, 59.6527, 90.9001



15.0965, 6.1332, 75.2515



15.1511, 11.8597, 18.9801



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.



41.7109, 20.4549, 49.3270



52.6777, 25.8351, 62.1600



33.9626, 17.3555, 8.5248



14.8762, 14.5677, 17.5487



23.6554, 11.5964, 28.1442



1.7775, 0.8687, 2.2351

Inverse Universe

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



41.7109, 20.4549, 49.3270



52.6777, 25.8351, 62.1600



34.0760, 58.9056, 39.8617



14.8762, 14.5677, 17.5487



23.6554, 11.5964, 28.1442



1.7775, 0.8687, 2.2351

Previews

White Background



This preview shows how the XYZ color 41.7102, 20.4538, 49.3266 looks on a white background.

Color Contrast Check

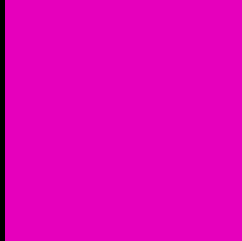
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7102, 20.4538, 49.3266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

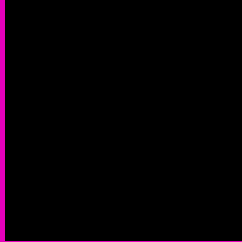
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.7102, 20.4538, 49.3266

Background



This preview shows how black text looks on a background with the XYZ color 41.7102, 20.4538, 49.3266.



This preview shows how white text looks on a background with the XYZ color 41.7102, 20.4538,

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

41.7102, 20.4538, 49.3266

Protanopia

25.5746, 21.4304, 97.3963

Deuteranopia

21.6005, 21.1168, 44.0118



Tritanopia

33.6427, 20.8198, 9.4532

Trichromacy



Original Color

41.7102, 20.4538, 49.3266



Protanomaly

22.7417, 14.1019, 77.1246



Deuteranomaly

24.4333, 15.9026, 44.9618



Tritanomaly

35.0270, 19.1883, 18.9971

Monochromacy



Original Color

41.7102, 20.4538, 49.3266



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.2135, 10.0953, 20.8327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7102, 20.4538, 49.3266 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 188) }
```

Border

The CSS property to change the border of an element to XYZ 41.7102, 20.4538, 49.3266 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, 188) }
```


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

```
.border{ border-color:rgb(230, 0, 188) }
```

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, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 188);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7102, 20.4538, 49.3266 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, 188) }
```

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

```
.background{ background-color: rgb(230, 0,  
188) }
```

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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