

Converting Colors

XYZ(41.6028, 20.4109, 48.7607)

Have a look what the booklet for
XYZ(41.6028, 20.4109, 48.7607)
contains.

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Color

**XYZ(41.6028, 20.4109,
48.7607)**

Conversions

Conversions Part 1

Format	Color
Hex	E600BB
RGB	230, 0, 187
RGB Percent	90%, 0%, 73%
CMY	0.0980, 0.9998, 0.2667
CMYK	0.00, 1.00, 0.19, 0.10
HSL	311°, 100%, 45%
HSV	311°, 100%, 90%
XYZ	41.6028, 20.4109, 48.7607
YIQ	90.0880, 77.0530, 106.9170

Conversions

Conversions Part 2

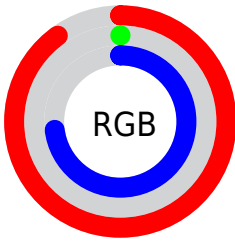
Format	Color
R_{YB}	230, 0, 187
Decimal	15073467
CIE _{Lab}	52.30, 85.24, -35.26
CIE _{LCh}	52, 92.247, 337.529
Yxy	20.4109, 0.3756, 0.1843
Android (android.graphics.Color)	4293263547 (0xFFE600BB)
YUV	90.0880, 47.7776, 122.7028
Hunter-Lab	45.1784, 85.3105, -32.3663

Details

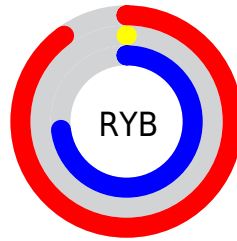
The XYZ color **41.6028, 20.4109, 48.7607** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **28.7345, 56.7690, 11.7330**, and the grayscale version is **9.6280, 10.1294, 11.0309**.

A 20% lighter version of the original color is **61.8438, 36.3410, 89.3429**, and **20.5958, 10.1285, 23.0598** is the 20% darker color. If you saturate the color by 10%, you get **41.6021, 20.4106, 48.7561**, and if you desaturate by 10%, it is **42.3778, 21.2126, 51.3251**.

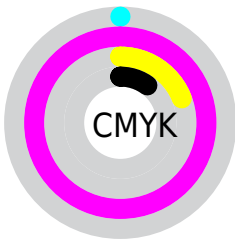
Distribution



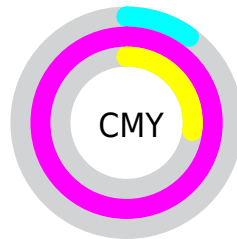
- Red (90%)
- Green (0%)
- Blue (73%)



- Red (90%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6028, 20.4109, 48.7607 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 41.6028, 20.4109, 48.7607 by changing the saturation by 10% instead.


 41.6028, 20.4109,
48.7607

 41.6028, 20.4109,
48.7607


343.8534,
254.1310, 398.3948

 28.9801, 12.6941,
34.0654


 76.8671, 44.1050,
89.7132


 19.2100, 7.2182,
22.6661


 100.2394, 60.8511,
116.8076


 11.9270, 3.5990,
14.1442


 127.9257, 81.3758,
148.8720

 6.7659, 1.4519,
8.0811

 160.2912,
106.0633, 186.3252

 3.3611, 0.2545,
4.0584

 197.7014,
135.2982, 229.5854

 1.3475, 0.0000,
1.6574

 240.5216,

 0.2183, 0.0000,

169.4649, 279.0715

0.3313

289.1172,
208.9477, 335.2017

■ 0.0000, 0.0000,
0.0000

■ 41.6028, 20.4109,
48.7607

■ 41.6028, 20.4109,
48.7607

■ 41.6021, 20.4106,
48.7561

■ 42.3778, 21.2126,
51.3251

■ 43.5307, 22.7481,
54.0839

■ 45.1783, 25.2506,
57.0769

■ 47.3880, 28.8548,
60.3269

■ 50.2167, 33.6740,
63.8537

■ 53.7140, 39.8075,
67.6741

■ 57.9245, 47.3442,
71.8037

■ 62.8889, 56.3654,
76.2566

■ 68.6448, 66.9461,
81.0457

Harmonies

Analogous

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



32.7646, 20.4109, 94.7051



41.6028, 20.4109, 48.7607



43.6776, 20.4109, 16.0590

Triad

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



41.6028, 20.4109, 48.7607



17.1072, 20.4109, 0.0000



8.2335, 20.4109, 71.6375

Complementary

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



41.6028, 20.4109, 48.7607



28.7345, 56.7690, 11.7330

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.



6.3551, 20.4109, 29.7938



41.6028, 20.4109, 48.7607



10.2764, 20.4109, 1.2075

Square

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



41.6028, 20.4109, 48.7607



27.2386, 20.4109, 0.3445



6.9564, 20.4109, 7.6418



13.2310, 20.4109, 113.8554

Rectangle

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



41.6028, 20.4109, 48.7607



40.4820, 20.4109, 5.7695



6.9564, 20.4109, 7.6418



7.3054, 20.4109, 56.1594

Sweetspot

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



41.6035, 20.4120, 48.7611



73.0917, 59.6328, 90.6383



15.2467, 6.2108, 75.2586



15.1391, 11.8549, 18.9169



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.



41.6035, 20.4120, 48.7611



52.5412, 25.7805, 61.4414



33.8320, 17.3033, 7.8366



14.8734, 14.5666, 17.5339



23.5953, 11.5723, 27.8273



1.7736, 0.8672, 2.2144

Inverse Universe

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



41.6035, 20.4120, 48.7611



52.5412, 25.7805, 61.4414



34.3989, 59.0348, 41.5615



14.8734, 14.5666, 17.5339



23.5953, 11.5723, 27.8273



1.7736, 0.8672, 2.2144

Previews

White Background



This preview shows how the XYZ color 41.6028, 20.4109, 48.7607 looks on a white background.

Color Contrast Check

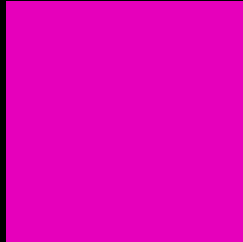
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.6028, 20.4109, 48.7607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

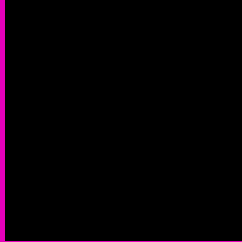
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.6028, 20.4109, 48.7607

Background



This preview shows how black text looks on a background with the XYZ color 41.6028, 20.4109, 48.7607.



This preview shows how white text looks on a background with the XYZ color 41.6028, 20.4109,

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

41.6028, 20.4109, 48.7607

Protanopia

25.5746, 21.4304, 97.3963

Deuteranopia

21.5019, 21.0774, 43.4925



Tritanopia

33.6427, 20.8198, 9.4532

Trichromacy



Original Color

41.6028, 20.4109, 48.7607



Protanomaly

22.6008, 14.0455, 76.3828



Deuteranomaly

24.3318, 15.8620, 44.4271



Tritanomaly

35.0270, 19.1883, 18.9971

Monochromacy



Original Color

41.6028, 20.4109, 48.7607



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.1493, 10.0696, 20.4945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6028, 20.4109, 48.7607 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 187) }
```

Border

The CSS property to change the border of an element to XYZ 41.6028, 20.4109, 48.7607 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, 187) }
```


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

```
.border{ border-color:rgb(230, 0, 187) }
```

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, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 187);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6028, 20.4109, 48.7607 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, 187) }
```

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

```
.background{ background-color: rgb(230, 0,  
187) }
```

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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