

Converting Colors

XYZ(41.7562, 20.5487, 46.1147)

Have a look what the booklet for
XYZ(41.7562, 20.5487, 46.1147)
contains.

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Color

**XYZ(41.7222, 20.5332,
46.0203)**

Conversions

Conversions Part 1

Format	Color
Hex	E800B6
RGB	232, 0, 182
RGB Percent	91%, 0%, 71%
CMY	0.0902, 0.9998, 0.2863
CMYK	0.00, 1.00, 0.22, 0.09
HSL	313°, 100%, 45%
HSV	313°, 100%, 91%
XYZ	41.7222, 20.5332, 46.0203
YIQ	90.1160, 79.8500, 105.7860

Conversions

Conversions Part 2

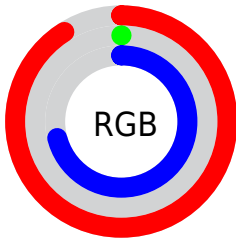
Format	Color
R _Y B	232, 0, 182
Decimal	15204534
CIE Lab	52.43, 85.02, -32.10
CIE LCh	52, 90.878, 339.314
Yxy	20.5332, 0.3853, 0.1896
Android (android.graphics.Color)	4293394614 (0xFFE800B6)
YUV	90.1160, 45.2988, 124.4323
Hunter-Lab	45.3136, 85.0540, -28.4952

Details

The XYZ color **41.7222, 20.5332, 46.0203** 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 **29.4340, 57.9445, 12.6558**, and the grayscale version is **9.6391, 10.1411, 11.0437**.

A 20% lighter version of the original color is **60.9473, 35.9824, 84.6219**, and **20.7570, 10.2429, 21.6519** is the 20% darker color. If you saturate the color by 10%, you get **41.7214, 20.5329, 46.0152**, and if you desaturate by 10%, it is **42.5600, 21.3664, 48.8955**.

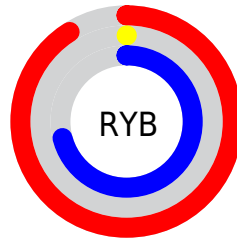
Distribution



Red (91%)

Green (0%)

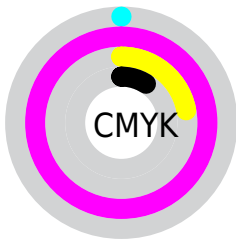
Blue (71%)



Red (91%)

Yellow (0%)

Blue (71%)

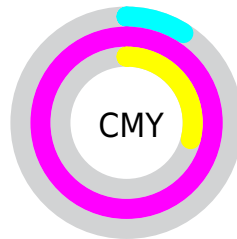


Cyan (0%)

Magenta (100%)

Yellow (22%)

Black (9%)



Cyan (9%)


Magenta (100%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7222, 20.5332, 46.0203 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 41.7222, 20.5332, 46.0203 by changing the saturation by 10% instead.

 41.7222, 20.5332,
46.0203


 41.7222, 20.5332,
46.0203


344.3413,
254.7872, 387.1702


 29.0740, 12.7832,
31.9131


 77.0468, 44.3093,
85.5840


 19.2814, 7.2794,
21.0308


 100.4539, 61.1043,
111.8775

 11.9790, 3.6375,
12.9551


 128.1781, 81.6830,
143.0702

 6.8015, 1.4729,
7.2673

 160.5846,
106.4299, 179.5806

 3.3835, 0.2695,
3.5488

 198.0388,
135.7294, 221.8273

 1.3596, 0.0000,
1.3812

 240.9061,

 0.2272, 0.0000,

169.9658, 270.2287

0.1270

289.5518,
209.5236, 325.2035

■ 0.0000, 0.0000,
0.0000

■ 41.7222, 20.5332,
46.0203

■ 41.7222, 20.5332,
46.0203

■ 41.7214, 20.5329,
46.0152

■ 42.5600, 21.3664,
48.8955

■ 43.7880, 22.9507,
51.9926

■ 45.5254, 25.5234,
55.3524

■ 47.8409, 29.2220,
58.9987

■ 50.7927, 34.1625,
62.9519

■ 54.4316, 40.4462,
67.2296

■ 58.8032, 48.1640,
71.8479

■ 63.9492, 57.3990,
76.8217

■ 69.9079, 68.2278,
82.1645

Harmonies

Analogous

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



33.3204, 20.5332, 90.8722



41.7222, 20.5332, 46.0203



43.2762, 20.5332, 14.9951

Triad

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



41.7222, 20.5332, 46.0203



16.7399, 20.5332, 0.0507



8.6228, 20.5332, 73.6566

Complementary

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



41.7222, 20.5332, 46.0203



29.4340, 57.9445, 12.6558

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.



6.5793, 20.5332, 31.8038



41.7222, 20.5332, 46.0203



10.1735, 20.5332, 1.4753

Square

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



41.7222, 20.5332, 46.0203



26.6065, 20.5332, 0.3765



7.0377, 20.5332, 8.6236



13.8127, 20.5332, 113.8734

Rectangle

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



41.7222, 20.5332, 46.0203



39.8476, 20.5332, 5.4036



7.0377, 20.5332, 8.6236



7.6349, 20.5332, 58.3859

Sweetspot

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



41.7229, 20.5343, 46.0207



72.7677, 59.5032, 88.9321



15.7125, 6.4182, 76.7550



15.0609, 11.8236, 18.5054



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.



41.7229, 20.5343, 46.0207



51.6691, 25.4316, 56.8489



34.3733, 17.5944, 7.3180



14.8551, 14.5592, 17.4373



23.2103, 11.4184, 25.8003



1.7484, 0.8571, 2.0813

Inverse Universe

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



41.7229, 20.5343, 46.0207



51.6691, 25.4316, 56.8489



35.4158, 60.3372, 44.1553



14.8551, 14.5592, 17.4373



23.2103, 11.4184, 25.8003



1.7484, 0.8571, 2.0813

Previews

White Background



This preview shows how the XYZ color 41.7222, 20.5332, 46.0203 looks on a white background.

Color Contrast Check

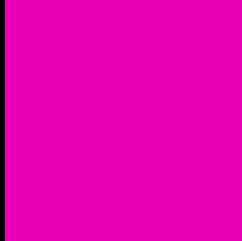
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7222, 20.5332, 46.0203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

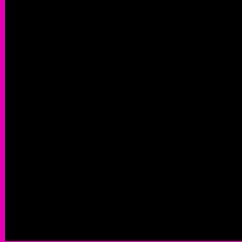
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.7222, 20.5332, 46.0203

Background



This preview shows how black text looks on a background with the XYZ color 41.7222, 20.5332, 46.0203.



This preview shows how white text looks on a background with the XYZ color 41.7222, 20.5332,

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

41.7222, 20.5332, 46.0203

Protanopia

25.6692, 21.4791, 97.4007

Deuteranopia

21.5287, 21.1469, 40.9773



Tritanopia

34.0188, 20.8307, 8.8843

Trichromacy



Original Color

41.7222, 20.5332, 46.0203



Protanomaly

22.6718, 14.1144, 74.9282



Deuteranomaly

24.4133, 15.9614, 41.8385



Tritanomaly

35.3783, 19.3376, 17.7875

Monochromacy



Original Color

41.7222, 20.5332, 46.0203



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.1936, 10.1071, 19.8363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7222, 20.5332, 46.0203 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(232, 0, 182)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 182)  
}
```

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(232, 0, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 182) }
```

Border

The CSS property to change the border of an element to XYZ 41.7222, 20.5332, 46.0203 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(232, 0, 182) }
```


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

```
.border{ border-color:rgb(232, 0, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 0, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 182);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7222, 20.5332, 46.0203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 182) }
```

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

```
.background{ background-color: rgb(232, 0,  
182) }
```

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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