

Converting Colors

XYZ(42.4066, 20.9052, 45.1863)

Have a look what the booklet for
XYZ(42.4066, 20.9052, 45.1863)
contains.

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Color

**XYZ(42.4992, 20.9575,
44.9853)**

Conversions

Conversions Part 1

Format	Color
Hex	EB00B4
RGB	235, 0, 180
RGB Percent	92%, 0%, 71%
CMY	0.0784, 0.9998, 0.2941
CMYK	0.00, 1.00, 0.23, 0.08
HSL	314°, 100%, 46%
HSV	314°, 100%, 92%
XYZ	42.4992, 20.9575, 44.9853
YIQ	90.7850, 82.2800, 105.8000

Conversions

Conversions Part 2

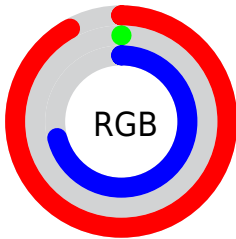
Format	Color
R_{YB}	235, 0, 180
Decimal	15401140
CIE _{Lab}	52.90, 85.35, -30.16
CIE _{LCh}	53, 90.518, 340.537
Yxy	20.9575, 0.3919, 0.1933
Android (android.graphics.Color)	4293591220 (0xFFEB00B4)
YUV	90.7850, 43.9830, 126.4766
Hunter-Lab	45.7794, 85.5963, -26.2160

Details

The XYZ color **42.4992, 20.9575, 44.9853** 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 **30.3999, 59.6936, 13.5404**, and the grayscale version is **9.7921, 10.3020, 11.2189**.

A 20% lighter version of the original color is **60.7480, 36.0515, 83.1137**, and **21.2863, 10.5310, 20.9894** is the 20% darker color. If you saturate the color by 10%, you get **42.4982, 20.9571, 44.9793**, and if you desaturate by 10%, it is **43.3885, 21.8211, 48.1021**.

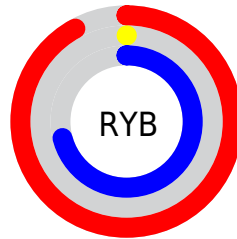
Distribution



Red (92%)

Green (0%)

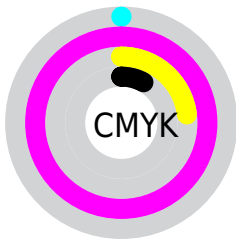
Blue (71%)



Red (92%)

Yellow (0%)

Blue (71%)

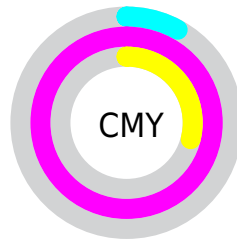


Cyan (0%)

Magenta (100%)

Yellow (23%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4992, 20.9575, 44.9853 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 42.4992, 20.9575, 44.9853 by changing the saturation by 10% instead.

 42.4992, 20.9575,
44.9853

 42.4992, 20.9575,
44.9853


347.5047,
257.0525, 382.8724


 29.6852, 13.0929,
31.1030


 78.2150, 45.0168,
84.0166


 19.7466, 7.4926,
20.4182


 101.8475, 61.9803,
110.0026


 12.3182, 3.7720,
12.5123


 129.8170, 82.7456,
140.8603

 7.0345, 1.5469,
6.9668

 162.4886,
107.6971, 177.0082

 3.5302, 0.3214,
3.3632

 200.2278,
137.2191, 218.8648

 1.4400, 0.0000,
1.2830

 243.4000,

 0.2844, 0.0000,

171.6961, 266.8487

0.0478

292.3705,
211.5124, 321.3784

■ 0.0000, 0.0000,
0.0000

■ 42.4992, 20.9575,
44.9853

■ 42.4992, 20.9575,
44.9853

■ 42.4982, 20.9571,
44.9793

■ 43.3885, 21.8211,
48.1021

■ 44.6839, 23.4609,
51.4651

■ 46.5071, 26.1201,
55.1163

■ 48.9295, 29.9410,
59.0806

■ 52.0111, 35.0430,
63.3792

■ 55.8045, 41.5311,
68.0308

■ 60.3567, 49.4989,
73.0522

■ 65.7108, 59.0322,
78.4589

■ 71.9065, 70.2101,
84.2653

Harmonies

Analogous

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



34.2565, 20.9575, 89.8475



42.4992, 20.9575, 44.9853



43.7267, 20.9575, 14.5480

Triad

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



42.4992, 20.9575, 44.9853



16.7711, 20.9575, 0.1552



9.0363, 20.9575, 76.2803

Complementary

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



42.4992, 20.9575, 44.9853



30.3999, 59.6936, 13.5404

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.



6.8429, 20.9575, 33.7484



42.4992, 20.9575, 44.9853



10.2721, 20.9575, 1.7018

Square

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



42.4992, 20.9575, 44.9853



26.6253, 20.9575, 0.4101



7.2091, 20.9575, 9.4781



14.4462, 20.9575, 115.7918

Rectangle

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



42.4992, 20.9575, 44.9853



40.0848, 20.9575, 5.2527



7.2091, 20.9575, 9.4781



7.9901, 20.9575, 60.9059

Sweetspot

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



42.4999, 20.9586, 44.9857



72.5596, 59.4199, 87.8362



16.5645, 6.8078, 79.0386



15.0108, 11.8035, 18.2414



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.



42.4999, 20.9586, 44.9857



51.1251, 25.2140, 53.9840



35.1506, 18.0189, 6.2846



15.5552, 15.2499, 18.2091



23.7037, 11.6842, 25.3050



1.8978, 0.9321, 2.1790

Inverse Universe

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



42.4999, 20.9586, 44.9857



51.1251, 25.2140, 53.9840



37.1888, 62.4092, 49.2907



15.5552, 15.2499, 18.2091



23.7037, 11.6842, 25.3050



1.8978, 0.9321, 2.1790

Previews

White Background



This preview shows how the XYZ color 42.4992, 20.9575, 44.9853 looks on a white background.

Color Contrast Check

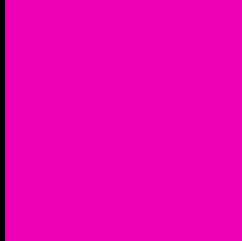
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.4992, 20.9575, 44.9853 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 42.4992, 20.9575, 44.9853

Background



This preview shows how black text looks on a background with the XYZ color 42.4992, 20.9575, 44.9853.



This preview shows how white text looks on a background with the XYZ color 42.4992, 20.9575,

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

42.4992, 20.9575, 44.9853

Protanopia

26.1721, 22.1067, 97.4953

Deuteranopia

22.0000, 21.6004, 40.0556



Tritanopia

35.2018, 21.3454, 8.9213

Trichromacy



Original Color

42.4992, 20.9575, 44.9853



Protanomaly

23.4817, 14.6381, 74.9866



Deuteranomaly

25.0130, 16.2929, 40.8562



Tritanomaly

36.5521, 19.8920, 17.5358

Monochromacy



Original Color

42.4992, 20.9575, 44.9853



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.4159, 10.2958, 19.8610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4992, 20.9575, 44.9853 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(235, 0, 180)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 180)  
}
```

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(235, 0, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 180) }
```

Border

The CSS property to change the border of an element to XYZ 42.4992, 20.9575, 44.9853 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(235, 0, 180) }
```


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

```
.border{ border-color:rgb(235, 0, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 0, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 180);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4992, 20.9575, 44.9853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 180) }
```

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

```
.background{ background-color: rgb(235, 0,  
180) }
```

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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