

Converting Colors

XYZ(41.1325, 20.7762, 48.1773)

Have a look what the booklet for
XYZ(41.1325, 20.7762, 48.1773)
contains.

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Color

**XYZ(41.2498, 20.8230,
48.2995)**

Conversions

Conversions Part 1

Format	Color
Hex	E41BBA
RGB	228, 27, 186
RGB Percent	89%, 11%, 73%
CMY	0.1059, 0.8940, 0.2706
CMYK	0.00, 0.88, 0.18, 0.11
HSL	313°, 79%, 50%
HSV	313°, 88%, 89%
XYZ	41.2498, 20.8230, 48.2995
YIQ	105.2250, 68.7570, 92.0610

Conversions

Conversions Part 2

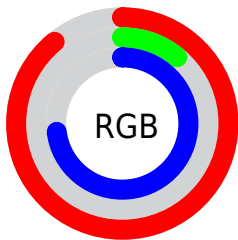
Format	Color
RYB	228, 27, 186
Decimal	14949306
CIELab	52.76, 82.20, -33.99
CIELCh	53, 88.948, 337.536
Yxy	20.8230, 0.3737, 0.1887
Android (android.graphics.Color)	4293139386 (0xFFE41BBA)
YUV	105.2250, 39.8221, 107.6737
Hunter-Lab	45.6322, 81.5008, -30.8130

Details

The XYZ color **41.2498, 20.8230, 48.2995** 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 **29.2710, 56.1505, 14.9289**, and the grayscale version is **13.3735, 14.0700, 15.3222**.

A 20% lighter version of the original color is **62.2173, 37.5714, 87.9772**, and **20.3133, 9.9908, 22.6876** is the 20% darker color. If you saturate the color by 10%, you get **40.4057, 19.9316, 45.5605**, and if you desaturate by 10%, it is **42.5062, 22.5112, 51.2595**.

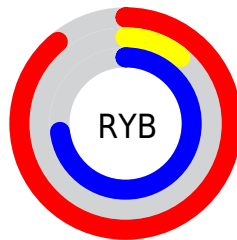
Distribution



Red (89%)

Green (11%)

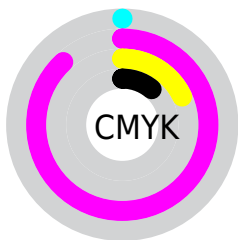
Blue (73%)



Red (89%)

Yellow (11%)

Blue (73%)

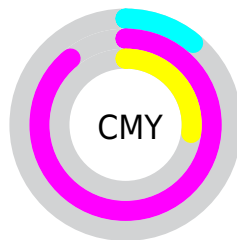


Cyan (0%)

Magenta (88%)

Yellow (18%)

Black (11%)



Cyan (11%)


Magenta (89%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2498, 20.8230, 48.2995 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 41.2498, 20.8230, 48.2995 by changing the saturation by 10% instead.


 41.2498, 20.8230,
48.2995

 41.2498, 20.8230,
48.2995

342.4083,
256.3363, 396.5210

 28.7029, 12.9947,
33.7025

 76.3353, 44.7928,
89.0203

 18.9993, 7.4249,
22.3896


 99.6045, 61.7030,
115.9812


 11.7738, 3.7292,
13.9424


 127.1785, 82.4094,
147.9005

 6.6609, 1.5233,
7.9423

 159.4228,
107.2962, 185.1966

 3.2954, 0.3050,
3.9708

 196.7025,
136.7479, 228.2882

 1.3118, 0.0000,
1.6093

239.3831,

 0.1921, 0.0000,

171.1489, 277.5937

0.2975

287.8299,
210.8836, 333.5318

■ 0.0000, 0.0000,
0.0000

■ 41.2498, 20.8230,
48.2995

■ 41.2498, 20.8230,
48.2995

■ 40.4057, 19.9316,
45.5605

■ 42.5062, 22.5112,
51.2595

■ 40.2695, 19.8038,
45.0693

■ 44.2632, 25.1736,
54.4704

■ 46.5851, 28.9383,
57.9545

■ 49.5262, 33.9135,
61.7307

■ 53.1339, 40.1942,
65.8156

■ 57.4514, 47.8659,
70.2242

■ 62.5178, 57.0070,
74.9703

■ 68.3695, 67.6899,
80.0669

■ 75.0404, 79.9822,
85.5259

Harmonies

Analogous

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



32.7553, 20.8230, 91.9988



41.2498, 20.8230, 48.2995



43.2361, 20.8230, 16.6165

Triad

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



41.2498, 20.8230, 48.2995



17.5453, 20.8230, 0.1942



8.7569, 20.8230, 70.1480

Complementary

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



41.2498, 20.8230, 48.2995



29.2710, 56.1505, 14.9289

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.



6.8603, 20.8230, 30.0462



41.2498, 20.8230, 48.2995



10.7987, 20.8230, 1.5062

Square

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



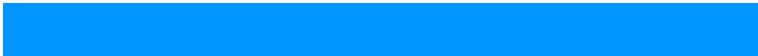
41.2498, 20.8230, 48.2995



27.4117, 20.8230, 0.6124



7.4687, 20.8230, 8.2282



13.7334, 20.8230, 110.0988

Rectangle

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



41.2498, 20.8230, 48.2995



40.1719, 20.8230, 6.3165



7.4687, 20.8230, 8.2282



7.8222, 20.8230, 55.3979

Sweetspot

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



41.2505, 20.8241, 48.2999



75.2720, 63.8858, 91.6965



16.7257, 7.5872, 73.9823



15.6589, 12.8635, 19.1861



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.



41.2505, 20.8241, 48.2999



51.8664, 25.5106, 57.8881



34.1207, 17.9722, 10.7549



14.8593, 14.5609, 17.4596



23.2975, 11.4532, 26.2592



1.7541, 0.8593, 2.1116

Inverse Universe

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



41.2505, 20.8241, 48.2999



51.8664, 25.5106, 57.8881



35.2367, 58.5368, 46.3442



14.8593, 14.5609, 17.4596



23.2975, 11.4532, 26.2592



1.7541, 0.8593, 2.1116

Previews

White Background



This preview shows how the XYZ color 41.2498, 20.8230, 48.2995 looks on a white background.

Color Contrast Check

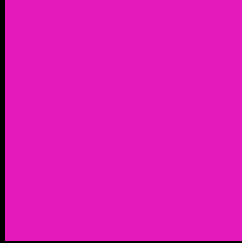
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.2498, 20.8230, 48.2995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

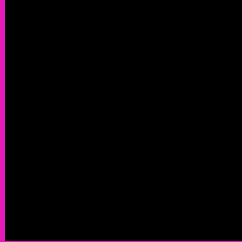
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.2498, 20.8230, 48.2995

Background



This preview shows how black text looks on a background with the XYZ color 41.2498, 20.8230, 48.2995.



This preview shows how white text looks on a background with the XYZ color 41.2498, 20.8230,

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

41.2498, 20.8230, 48.2995

Protanopia

25.6692, 21.4791, 97.4007

Deuteranopia

21.6270, 21.1419, 43.4984



Tritanopia

33.2831, 20.8230, 10.0496

Trichromacy



Original Color

41.2498, 20.8230, 48.2995



Protanomaly

23.5168, 15.5328, 76.6216



Deuteranomaly

25.0355, 17.2695, 44.6616



Tritanomaly

34.9670, 19.8876, 19.4485

Monochromacy



Original Color

41.2498, 20.8230, 48.2995



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

19.5346, 13.5130, 24.1329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2498, 20.8230, 48.2995 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(228, 27, 186)` looks like.

```
.text, #text, p{  
    color:rgb(228, 27, 186)  
}
```

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(228, 27, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 27, 186) }
```

Border

The CSS property to change the border of an element to XYZ 41.2498, 20.8230, 48.2995 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(228, 27, 186) }
```


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

```
.border{ border-color:rgb(228, 27, 186) }
```

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

Here you see how a box with a 4 pixel rgb(228, 27, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 27, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 27, 186);  
box-shadow:4px 4px 4px 4px rgb(228, 27,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2498, 20.8230, 48.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 27, 186) }
```

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

```
.background{ background-color: rgb(228, 27,  
186) }
```

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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