

Converting Colors

XYZ(42.8486, 21.1797, 43.0977)

Have a look what the booklet for
XYZ(42.8486, 21.1797, 43.0977)
contains.

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Color

**XYZ(42.7615, 21.1391,
42.9008)**

Conversions

Conversions Part 1

Format	Color
Hex	ED00B0
RGB	237, 0, 176
RGB Percent	93%, 0%, 69%
CMY	0.0706, 0.9998, 0.3098
CMYK	0.00, 1.00, 0.26, 0.07
HSL	315°, 100%, 46%
HSV	315°, 100%, 93%
XYZ	42.7615, 21.1391, 42.9008
YIQ	90.9270, 84.7560, 104.9800

Conversions

Conversions Part 2

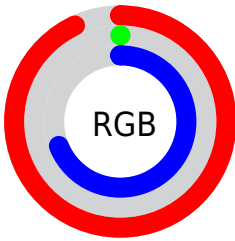
Format	Color
RYB	237, 0, 176
Decimal	15532208
CIELab	53.10, 85.28, -27.48
CIELCh	53, 89.594, 342.138
Yxy	21.1391, 0.4004, 0.1979
Android (android.graphics.Color)	4293722288 (0xFFED00B0)
YUV	90.9270, 41.9410, 128.1060
Hunter-Lab	45.9773, 85.5550, -23.1386

Details

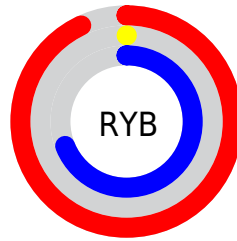
The XYZ color **42.7615, 21.1391, 42.9008** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **31.1285, 60.9063, 14.5373**, and the grayscale version is **9.8281, 10.3399, 11.2602**.

A 20% lighter version of the original color is **60.1732, 35.8216, 80.0867**, and **21.4796, 10.6602, 19.6644** is the 20% darker color. If you saturate the color by 10%, you get **42.7604, 21.1387, 42.8944**, and if you desaturate by 10%, it is **43.7006, 22.0291, 46.2598**.

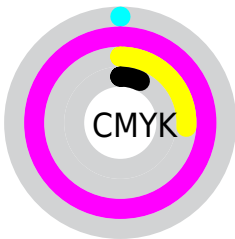
Distribution



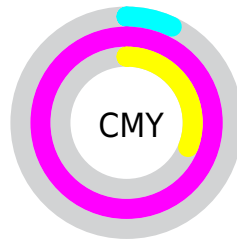
- Red (93%)
- Green (0%)
- Blue (69%)



- Red (93%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (7%)



- Cyan (7%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7615, 21.1391, 42.9008 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 42.7615, 21.1391, 42.9008 by changing the saturation by 10% instead.

42.7615, 21.1391,
42.9008

42.7615, 21.1391,
42.9008

348.5682,
258.0168, 374.1129

29.8917, 13.2257,
29.4765

78.6088, 45.3189,
80.8459

19.9041, 7.5842,
19.1929

102.3170, 62.3541,
106.2037

12.4332, 3.8300,
11.6315

130.3688, 83.1988,
136.3765

7.1137, 1.5789,
6.3738

163.1295,
108.2372, 171.7827

3.5803, 0.3433,
3.0012

200.9644,
137.8538, 212.8409

1.4675, 0.0000,
1.0953

244.2389,

0.3036, 0.0000,

172.4330, 259.9696

0.0000

293.3184,
212.3592, 313.5874

■ 0.0000, 0.0000,
0.0000

■ 42.7615, 21.1391,
42.9008

■ 42.7615, 21.1391,
42.9008

■ 42.7604, 21.1387,
42.8944

■ 43.7006, 22.0291,
46.2598

■ 45.0587, 23.7133,
49.8940

■ 46.9597, 26.4388,
53.8464

■ 49.4766, 30.3510,
58.1429

■ 52.6707, 35.5721,
62.8058

■ 56.5958, 42.2090,
67.8544

■ 61.3001, 50.3577,
73.3064

■ 66.8275, 60.1056,
79.1780

■ 73.2187, 71.5335,
85.4842

Harmonies

Analogous

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



34.8766, 21.1391, 86.9853



42.7615, 21.1391, 42.9008



43.5417, 21.1391, 13.7342

Triad

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



42.7615, 21.1391, 42.9008



16.5159, 21.1391, 0.2771



9.4231, 21.1391, 78.3876

Complementary

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



42.7615, 21.1391, 42.9008



31.1285, 60.9063, 14.5373

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.



7.0680, 21.1391, 35.7521



42.7615, 21.1391, 42.9008



10.2174, 21.1391, 1.9924

Square

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



42.7615, 21.1391, 42.9008



26.1824, 21.1391, 0.4390



7.3042, 21.1391, 10.4808



15.0280, 21.1391, 116.2548

Rectangle

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



42.7615, 21.1391, 42.9008



39.6877, 21.1391, 4.9709



7.3042, 21.1391, 10.4808



8.3176, 21.1391, 63.1625

Sweetspot

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



42.7622, 21.1402, 42.9012



72.2997, 59.3160, 86.4679



17.1073, 7.0541, 80.5809



14.9483, 11.7786, 17.9123



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.



42.7622, 21.1402, 42.9012



50.4638, 24.9495, 50.5017



35.7226, 18.3244, 5.8310



15.5396, 15.2437, 18.1267



23.4017, 11.5634, 23.7145



1.8763, 0.9235, 2.0659

Inverse Universe

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



42.7622, 21.1402, 42.9012



50.4638, 24.9495, 50.5017



38.2969, 63.7737, 52.2856



15.5396, 15.2437, 18.1267



23.4017, 11.5634, 23.7145



1.8763, 0.9235, 2.0659

Previews

White Background



This preview shows how the XYZ color 42.7615, 21.1391, 42.9008 looks on a white background.

Color Contrast Check

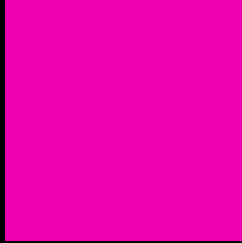
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.7615, 21.1391, 42.9008 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 42.7615, 21.1391, 42.9008

Background



This preview shows how black text looks on a background with the XYZ color 42.7615, 21.1391, 42.9008.



This preview shows how white text looks on a background with the XYZ color 42.7615, 21.1391,

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

42.7615, 21.1391, 42.9008

Protanopia

25.8791, 22.0475, 93.3341

Deuteranopia

22.2784, 21.7759, 38.6263



Tritanopia

35.6438, 21.3953, 8.5544

Trichromacy



Original Color

42.7615, 21.1391, 42.9008



Protanomaly

23.7230, 14.8416, 71.4264



Deuteranomaly

25.3399, 16.4944, 39.3843



Tritanomaly

36.9939, 20.0830, 16.6785

Monochromacy



Original Color

42.7615, 21.1391, 42.9008



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.5275, 10.3605, 19.5410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7615, 21.1391, 42.9008 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(237, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 176)  
}
```

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(237, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 42.7615, 21.1391, 42.9008 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(237, 0, 176) }
```


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

```
.border{ border-color:rgb(237, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7615, 21.1391, 42.9008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 176) }
```

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

```
.background{ background-color: rgb(237, 0,  
176) }
```

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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