

Converting Colors

XYZ(42.9991, 21.2400, 43.8906)

Have a look what the booklet for
XYZ(42.9991, 21.2400, 43.8906)
contains.

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Color

**XYZ(42.9609, 21.2189,
43.9508)**

Conversions

Conversions Part 1

Format	Color
Hex	ED00B2
RGB	237, 0, 178
RGB Percent	93%, 0%, 70%
CMY	0.0706, 0.9998, 0.3020
CMYK	0.00, 1.00, 0.25, 0.07
HSL	315°, 100%, 46%
HSV	315°, 100%, 93%
XYZ	42.9609, 21.2189, 43.9508
YIQ	91.1550, 84.1140, 105.6020

Conversions

Conversions Part 2

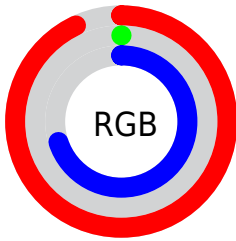
Format	Color
R_{YB}	237, 0, 178
Decimal	15532210
CIE Lab	53.19, 85.50, -28.52
CIE LCh	53, 90.126, 341.553
Yxy	21.2189, 0.3973, 0.1962
Android (android.graphics.Color)	4293722290 (0xFFED00B2)
YUV	91.1550, 42.8146, 127.9061
Hunter-Lab	46.0640, 85.8635, -24.3253

Details

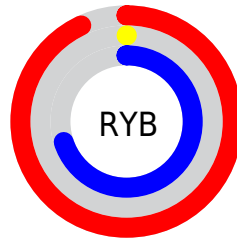
The XYZ color **42.9609, 21.2189, 43.9508** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **31.0756, 60.8852, 14.2588**, and the grayscale version is **9.8781, 10.3925, 11.3175**.

A 20% lighter version of the original color is **60.4590, 35.9359, 81.5917**, and **21.6062, 10.7108, 20.3307** is the 20% darker color. If you saturate the color by 10%, you get **42.9598, 21.2184, 43.9442**, and if you desaturate by 10%, it is **43.8881, 22.1042, 47.2467**.

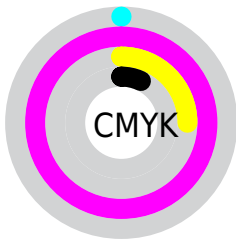
Distribution



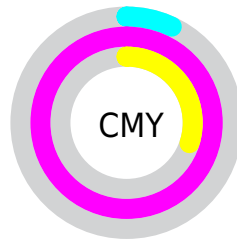
- Red (93%)
- Green (0%)
- Blue (70%)



- Red (93%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9609, 21.2189, 43.9508 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 42.9609, 21.2189, 43.9508 by changing the saturation by 10% instead.

 42.9609, 21.2189,
43.9508


 42.9609, 21.2189,
43.9508

349.3752,
258.4395, 378.5429


 30.0488, 13.2841,
30.2949


 78.9079, 45.4516,
82.4454


 20.0239, 7.6245,
19.8086


 102.6736, 62.5182,
108.1212


 12.5208, 3.8556,
12.0733


 130.7879, 83.3976,
138.6407

 7.1741, 1.5931,
6.6705

 163.6160,
108.4741, 174.4225

 3.6185, 0.3530,
3.1816

 201.5235,
138.1322, 215.8850

 1.4887, 0.0000,
1.1881

 244.8756,

 0.3181, 0.0000,

172.7562, 263.4469

0.0000

294.0377,
212.7305, 317.5267

■ 0.0000, 0.0000,
0.0000

■ 42.9609, 21.2189,
43.9508

■ 42.9609, 21.2189,
43.9508

■ 42.9598, 21.2184,
43.9442

■ 43.8881, 22.1042,
47.2467

■ 45.2325, 23.7830,
50.8088

■ 47.1182, 26.5024,
54.6802

■ 49.6180, 30.4078,
58.8866

■ 52.7932, 35.6215,
63.4499

■ 56.6977, 42.2503,
68.3894

■ 61.3795, 50.3901,
73.7227

■ 66.8825, 60.1284,
79.4656

■ 73.2475, 71.5459,
85.6333

Harmonies

Analogous

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



34.8902, 21.2189, 88.6235



42.9609, 21.2189, 43.9508



43.9099, 21.2189, 14.1230

Triad

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



42.9609, 21.2189, 43.9508



16.7231, 21.2189, 0.2380



9.3459, 21.2189, 78.1544

Complementary

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



42.9609, 21.2189, 43.9508



31.0756, 60.8852, 14.2588

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.



7.0343, 21.2189, 35.2584



42.9609, 21.2189, 43.9508



10.3082, 21.2189, 1.8967

Square

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



42.9609, 21.2189, 43.9508



26.5246, 21.2189, 0.4341



7.3200, 21.2189, 10.1794



14.9178, 21.2189, 116.8872

Rectangle

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



42.9609, 21.2189, 43.9508



40.1065, 21.2189, 5.1072



7.3200, 21.2189, 10.1794



8.2547, 21.2189, 62.7679

Sweetspot

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



42.9616, 21.2200, 43.9512



72.3934, 59.3534, 86.9608



16.8809, 6.9374, 80.5703



14.9708, 11.7876, 18.0308



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.



42.9616, 21.2200, 43.9512



50.6997, 25.0439, 51.7441



35.8296, 18.3672, 6.3943



15.5452, 15.2459, 18.1564



23.5095, 11.6065, 24.2821



1.8840, 0.9266, 2.1064

Inverse Universe

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



42.9616, 21.2200, 43.9512



50.6997, 25.0439, 51.7441



37.9067, 63.6176, 50.2308



15.5452, 15.2459, 18.1564



23.5095, 11.6065, 24.2821



1.8840, 0.9266, 2.1064

Previews

White Background



This preview shows how the XYZ color 42.9609, 21.2189, 43.9508 looks on a white background.

Color Contrast Check

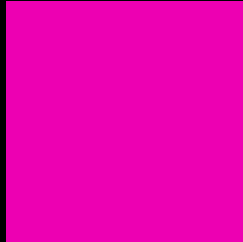
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9609, 21.2189, 43.9508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

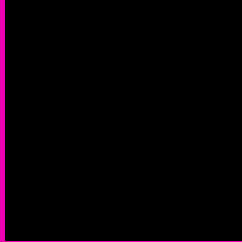
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.9609, 21.2189, 43.9508

Background



This preview shows how black text looks on a background with the XYZ color 42.9609, 21.2189, 43.9508.



This preview shows how white text looks on a background with the XYZ color 42.9609, 21.2189,

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

42.9609, 21.2189, 43.9508

Protanopia

26.1562, 22.1355, 95.8225

Deuteranopia

22.3211, 21.7767, 39.5861



Tritanopia

35.7393, 21.5327, 8.7511

Trichromacy



Original Color

42.9609, 21.2189, 43.9508



Protanomaly

23.8596, 14.8649, 73.5632



Deuteranomaly

25.3236, 16.4641, 40.3713



Tritanomaly

37.1417, 20.2024, 17.2711

Monochromacy



Original Color

42.9609, 21.2189, 43.9508



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.5898, 10.3855, 19.8691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9609, 21.2189, 43.9508 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 178) }
```

Border

The CSS property to change the border of an element to XYZ 42.9609, 21.2189, 43.9508 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, 178) }
```


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

```
.border{ border-color:rgb(237, 0, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9609, 21.2189, 43.9508 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, 178) }
```

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

```
.background{ background-color: rgb(237, 0,  
178) }
```

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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