

Converting Colors

XYZ(43.9189, 21.8076, 39.7120)

Have a look what the booklet for
XYZ(43.9189, 21.8076, 39.7120)
contains.

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Color

**XYZ(43.8736, 21.7795,
39.9217)**

Conversions

Conversions Part 1

Format	Color
Hex	F200AA
RGB	242, 0, 170
RGB Percent	95%, 0%, 67%
CMY	0.0510, 0.9998, 0.3333
CMYK	0.00, 1.00, 0.30, 0.05
HSL	318°, 100%, 47%
HSV	318°, 100%, 95%
XYZ	43.8736, 21.7795, 39.9217
YIQ	91.7380, 89.6620, 104.1740

Conversions

Conversions Part 2

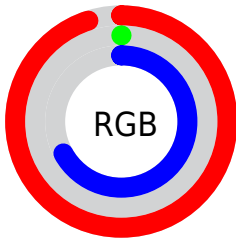
Format	Color
R_{YB}	242, 0, 170
Decimal	15859882
CIE _{Lab}	53.79, 85.59, -22.81
CIE _{LCh}	54, 88.579, 345.074
Yxy	21.7795, 0.4156, 0.2063
Android (android.graphics.Color)	4294049962 (0xFFFF200AA)
YUV	91.7380, 38.5832, 131.7798
Hunter-Lab	46.6685, 86.1400, -18.0506

Details

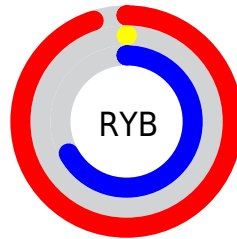
The XYZ color **43.8736, 21.7795, 39.9217** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **32.9242, 63.9732, 16.7527**, and the grayscale version is **10.0192, 10.5410, 11.4792**.

A 20% lighter version of the original color is **59.2924, 35.6199, 74.9844**, and **22.0924, 11.0113, 18.1005** is the 20% darker color. If you saturate the color by 10%, you get **43.8722, 21.7790, 39.9140**, and if you desaturate by 10%, it is **44.9058, 22.7234, 43.7198**.

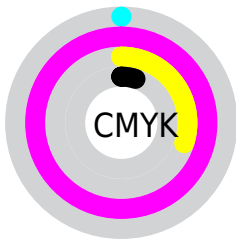
Distribution



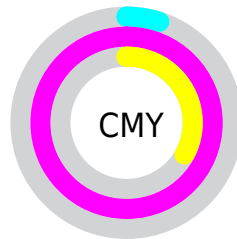
- Red (95%)
- Green (0%)
- Blue (67%)



- Red (95%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.8736, 21.7795, 39.9217 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 43.8736, 21.7795, 39.9217 by changing the saturation by 10% instead.

 43.8736, 21.7795,
39.9217


 43.8736, 21.7795,
39.9217

353.0532,
261.3926, 361.3357

 30.7686, 13.6950,
27.1642


 80.2750, 46.3813,
76.2800

 20.5737, 7.9088,
17.4630


 104.3022, 63.6673,
100.7180

 12.9234, 4.0367,
10.3997


 132.7008, 84.7893,
129.8864

 7.4525, 1.6941,
5.5557

 165.8363,
110.1317, 164.2039

 3.7955, 0.4198,
2.5125

 204.0739,
140.0788, 204.0891

 1.5871, 0.0000,
0.8468

247.7790,

 0.3840, 0.0000,

175.0151, 249.9604

0.0000

297.3169,
215.3249, 302.2364

■ 0.0000, 0.0000,
0.0000

■ 43.8736, 21.7795,
39.9217

■ 43.8736, 21.7795,
39.9217

■ 43.8722, 21.7790,
39.9140

■ 44.9058, 22.7234,
43.7198

■ 46.3876, 24.5060,
47.8547

■ 48.4485, 27.3851,
52.3724

■ 51.1654, 31.5140,
57.3012

■ 54.6033, 37.0215,
62.6656

■ 58.8189, 44.0202,
68.4870

■ 63.8632, 52.6112,
74.7850

■ 69.7825, 62.8865,
81.5776

■ 76.6198, 74.9313,
88.8815

Harmonies

Analogous

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



36.5344, 21.7795, 83.2533



43.8736, 21.7795, 39.9217



43.8533, 21.7795, 12.5353

Triad

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



43.8736, 21.7795, 39.9217



16.3000, 21.7795, 0.5044



10.2865, 21.7795, 83.4758

Complementary

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



43.8736, 21.7795, 39.9217



32.9242, 63.9732, 16.7527

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.



7.5884, 21.7795, 40.1080



43.8736, 21.7795, 39.9217



10.2654, 21.7795, 2.6252

Square

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



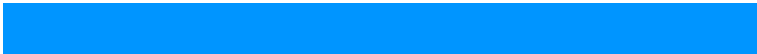
43.8736, 21.7795, 39.9217



25.7768, 21.7795, 0.5002



7.5821, 21.7795, 12.6214



16.3391, 21.7795, 118.8436

Rectangle

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



43.8736, 21.7795, 39.9217



39.5621, 21.7795, 4.5554



7.5821, 21.7795, 12.6214



9.0521, 21.7795, 68.3325

Sweetspot

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



43.8743, 21.7807, 39.9221



71.8589, 59.1397, 84.1466



18.4539, 7.6628, 84.5109



14.8425, 11.7362, 17.3552



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.



43.8743, 21.7807, 39.9221



49.3884, 24.5194, 44.8390



37.2491, 19.1306, 5.0345



16.2422, 15.9466, 18.8315



23.6315, 11.7250, 21.7738



2.0094, 0.9928, 2.0406

Inverse Universe

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



43.8743, 21.7807, 39.9221



49.3884, 24.5194, 44.8390



41.0010, 67.2039, 59.2845



16.2422, 15.9466, 18.8315



23.6315, 11.7250, 21.7738



2.0094, 0.9928, 2.0406

Previews

White Background



This preview shows how the XYZ color 43.8736, 21.7795, 39.9217 looks on a white background.

Color Contrast Check

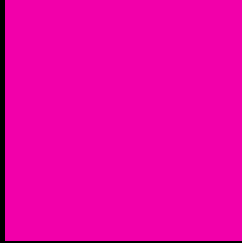
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.8736, 21.7795, 39.9217 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 43.8736, 21.7795, 39.9217

Background



This preview shows how black text looks on a background with the XYZ color 43.8736, 21.7795, 39.9217.



This preview shows how white text looks on a background with the XYZ color 43.8736, 21.7795,

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

43.8736, 21.7795, 39.9217

Protanopia

25.9421, 22.5977, 86.9989

Deuteranopia

22.7495, 22.2711, 35.9006



Tritanopia

37.3736, 22.1187, 8.0939

Trichromacy



Original Color

43.8736, 21.7795, 39.9217



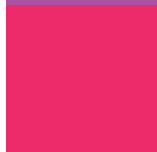
Protanomaly

24.7791, 15.6007, 66.6710



Deuteranomaly

25.9155, 16.9642, 36.5589



Tritanomaly

38.7253, 20.9455, 15.6375

Monochromacy



Original Color

43.8736, 21.7795, 39.9217



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

16.9868, 10.6870, 18.9368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8736, 21.7795, 39.9217 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(242, 0, 170)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 170)  
}
```

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(242, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 170) }
```

Border

The CSS property to change the border of an element to XYZ 43.8736, 21.7795, 39.9217 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(242, 0, 170) }
```


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

```
.border{ border-color:rgb(242, 0, 170) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8736, 21.7795, 39.9217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 170) }
```

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

```
.background{ background-color: rgb(242, 0,  
170) }
```

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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