

Converting Colors

XYZ(43.7284, 21.7313, 38.7086)

Have a look what the booklet for
XYZ(43.7284, 21.7313, 38.7086)
contains.

XYZ(43.6858, 21.7044, 38.9327)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.6858, 21.7044,
38.9327)**

Conversions

Conversions Part 1

Format	Color
Hex	F200A8
RGB	242, 0, 168
RGB Percent	95%, 0%, 66%
CMY	0.0510, 0.9998, 0.3412
CMYK	0.00, 1.00, 0.31, 0.05
HSL	318°, 100%, 47%
HSV	318°, 100%, 95%
XYZ	43.6858, 21.7044, 38.9327
YIQ	91.5100, 90.3040, 103.5520

Conversions

Conversions Part 2

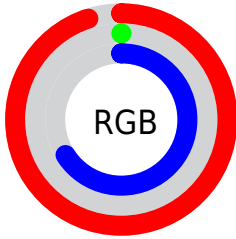
Format	Color
R_{YB}	242, 0, 168
Decimal	15859880
CIE _{Lab}	53.71, 85.38, -21.76
CIE _{LCh}	54, 88.114, 345.702
Yxy	21.7044, 0.4188, 0.2081
Android (android.graphics.Color)	4294049960 (0xFFFF200A8)
YUV	91.5100, 37.7096, 131.9797
Hunter-Lab	46.5880, 85.8514, -16.9360

Details

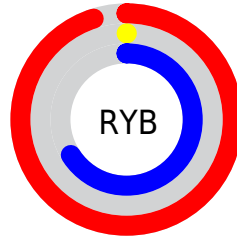
The XYZ color **43.6858, 21.7044, 38.9327** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **32.9907, 63.9998, 17.1025**, and the grayscale version is **9.9693, 10.4885, 11.4219**.

A 20% lighter version of the original color is **59.0211, 35.5114, 73.5557**, and **21.9748, 10.9643, 17.4811** is the 20% darker color. If you saturate the color by 10%, you get **43.6843, 21.7038, 38.9247**, and if you desaturate by 10%, it is **44.7273, 22.6520, 42.7797**.

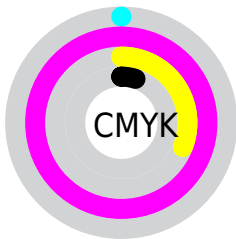
Distribution



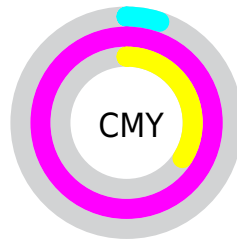
- Red (95%)
- Green (0%)
- Blue (66%)



- Red (95%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6858, 21.7044, 38.9327 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 43.6858, 21.7044, 38.9327 by changing the saturation by 10% instead.

 43.6858, 21.7044,
38.9327


 43.6858, 21.7044,
38.9327


352.2985,
260.9987, 357.0217


 30.6204, 13.6399,
26.3999


 79.9940, 46.2569,
74.7547


 20.4604, 7.8706,
16.8946


 103.9676, 63.5137,
98.8810


 12.8403, 4.0123,
9.9982


 132.3079, 84.6034,
127.7090

 7.3949, 1.6804,
5.2922

 165.3803,
109.9103, 161.6571

 3.7588, 0.4109,
2.3580

 203.5503,
139.8189, 201.1438

 1.5666, 0.0000,
0.7634

247.1830,

 0.3705, 0.0000,

174.7136, 246.5878

0.0000

296.6440,
214.9787, 298.4076

■ 0.0000, 0.0000,
0.0000

■ 43.6858, 21.7044,
38.9327

■ 43.6858, 21.7044,
38.9327

■ 43.6843, 21.7038,
38.9247

■ 44.7273, 22.6520,
42.7797

■ 46.2204, 24.4392,
46.9738

■ 48.2946, 27.3237,
51.5615

■ 51.0270, 31.4588,
56.5714

■ 54.4824, 36.9734,
62.0281

■ 58.7178, 43.9801,
67.9532

■ 63.7840, 52.5799,
74.3667

■ 69.7275, 62.8650,
81.2867

■ 76.5914, 74.9205,
88.7303

Harmonies

Analogous

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



36.5350, 21.7044, 81.6875



43.6858, 21.7044, 38.9327



43.4963, 21.7044, 12.1725

Triad

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



43.6858, 21.7044, 38.9327



16.0974, 21.7044, 0.5440



10.3734, 21.7044, 83.7633

Complementary

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



43.6858, 21.7044, 38.9327



32.9907, 63.9998, 17.1025

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.



7.6264, 21.7044, 40.6737



43.6858, 21.7044, 38.9327



10.1759, 21.7044, 2.7466

Square

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



43.6858, 21.7044, 38.9327



25.4438, 21.7044, 0.5050



7.5673, 21.7044, 12.9801



16.4642, 21.7044, 118.2482

Rectangle

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



43.6858, 21.7044, 38.9327



39.1548, 21.7044, 4.4271



7.5673, 21.7044, 12.9801



9.1228, 21.7044, 68.7896

Sweetspot

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



43.6865, 21.7056, 38.9331



71.7691, 59.1037, 83.6736



18.7479, 7.8144, 84.5246



14.8210, 11.7276, 17.2418



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.



43.6865, 21.7056, 38.9331



49.1766, 24.4346, 43.7235



37.1613, 19.0955, 4.5717



16.2364, 15.9443, 18.8011



23.5313, 11.6850, 21.2464



2.0017, 0.9897, 1.9999

Inverse Universe

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



43.6865, 21.7056, 38.9331



49.1766, 24.4346, 43.7235



41.4468, 67.3822, 61.6317



16.2364, 15.9443, 18.8011



23.5313, 11.6850, 21.2464



2.0017, 0.9897, 1.9999

Previews

White Background



This preview shows how the XYZ color 43.6858, 21.7044, 38.9327 looks on a white background.

Color Contrast Check

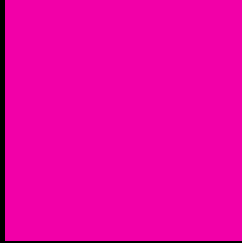
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.6858, 21.7044, 38.9327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

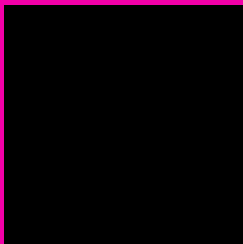
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 43.6858, 21.7044, 38.9327

Background



This preview shows how black text looks on a background with the XYZ color 43.6858, 21.7044, 38.9327.



This preview shows how white text looks on a background with the XYZ color 43.6858, 21.7044,

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

43.6858, 21.7044, 38.9327

Protanopia

25.8615, 22.5907, 85.4355

Deuteranopia

22.7284, 22.2802, 35.0009



Tritanopia

37.2833, 21.9883, 7.9093

Trichromacy



Original Color

43.6858, 21.7044, 38.9327



Protanomaly

24.8378, 15.6607, 65.3320



Deuteranomaly

25.9530, 17.0041, 35.6325



Tritanomaly

38.6377, 20.8530, 15.3532

Monochromacy



Original Color

43.6858, 21.7044, 38.9327



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 43.6858, 21.7044, 38.9327 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 168) }
```

Border

The CSS property to change the border of an element to XYZ 43.6858, 21.7044, 38.9327 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, 168) }
```


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

```
.border{ border-color:rgb(242, 0, 168) }
```

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, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6858, 21.7044, 38.9327 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, 168) }
```

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

```
.background{ background-color: rgb(242, 0,  
168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor