

Converting Colors

XYZ(42.8814, 21.2920, 38.7910)

Have a look what the booklet for
XYZ(42.8814, 21.2920, 38.7910)
contains.

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Color

**XYZ(43.0031, 21.3524,
38.9007)**

Conversions

Conversions Part 1

Format	Color
Hex	F000A8
RGB	240, 0, 168
RGB Percent	94%, 0%, 66%
CMY	0.0588, 0.9998, 0.3412
CMYK	0.00, 1.00, 0.30, 0.06
HSL	318°, 100%, 47%
HSV	318°, 100%, 94%
XYZ	43.0031, 21.3524, 38.9007
YIQ	90.9120, 89.1120, 103.1280

Conversions

Conversions Part 2

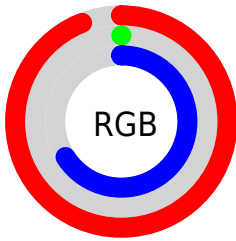
Format	Color
R_{YB}	240, 0, 168
Decimal	15728808
CIE _{Lab}	53.33, 85.00, -22.38
CIE _{LCh}	53, 87.893, 345.251
Yxy	21.3524, 0.4165, 0.2068
Android (android.graphics.Color)	4293918888 (0xFFFF00A8)
YUV	90.9120, 38.0044, 130.7502
Hunter-Lab	46.2087, 85.2521, -17.5672

Details

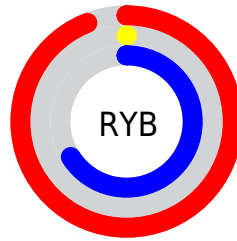
The XYZ color **43.0031, 21.3524, 38.9007** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle saturated rose. A complement of this color would be **32.3322, 62.7893, 16.5549**, and the grayscale version is **9.8327, 10.3448, 11.2654**.

A 20% lighter version of the original color is **58.9270, 35.3231, 73.5243**, and **21.5125, 10.7259, 17.4595** is the 20% darker color. If you saturate the color by 10%, you get **43.0018, 21.3519, 38.8936**, and if you desaturate by 10%, it is **44.0207, 22.2837, 42.6425**.

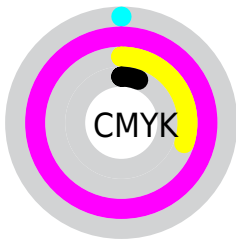
Distribution



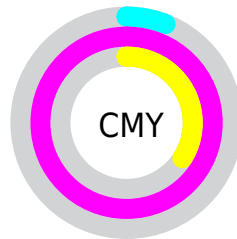
- Red (94%)
- Green (0%)
- Blue (66%)



- Red (94%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.0031, 21.3524, 38.9007 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 43.0031, 21.3524, 38.9007 by changing the saturation by 10% instead.


 43.0031, 21.3524,
38.9007


 43.0031, 21.3524,
38.9007


349.5458,
259.1454, 356.8815

 30.0821, 13.3818,
26.3752


 78.9712, 45.6733,
74.7053


 20.0493, 7.6920,
16.8763


 102.7490, 62.7924,
98.8215


 12.5393, 3.8985,
9.9853


 130.8765, 83.7298,
127.6383

 7.1869, 1.6170,
5.2837

 163.7189,
108.8700, 161.5744

 3.6266, 0.3690,
2.3531

 201.6417,
138.5972, 201.0482

 1.4932, 0.0000,
0.7607

245.0102,

 0.3212, 0.0000,

173.2959, 246.4783

0.0000

294.1898,
213.3505, 298.2832

■ 0.0000, 0.0000,
0.0000

■ 43.0031, 21.3524,
38.9007

■ 43.0031, 21.3524,
38.9007

■ 43.0018, 21.3519,
38.8936

■ 44.0207, 22.2837,
42.6425

■ 45.4796, 24.0374,
46.7175

■ 47.5070, 26.8670,
51.1710

■ 50.1786, 30.9225,
56.0310

■ 53.5578, 36.3303,
61.3213

■ 57.7003, 43.2006,
67.0631

■ 62.6559, 51.6325,
73.2756

■ 68.4702, 61.7163,
79.9766

■ 75.1854, 73.5353,
87.1824

Harmonies

Analogous

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



35.8532, 21.3524, 81.2636



43.0031, 21.3524, 38.9007



42.9360, 21.3524, 12.2000

Triad

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



43.0031, 21.3524, 38.9007



15.9395, 21.3524, 0.5003



10.1187, 21.3524, 81.9988

Complementary

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



43.0031, 21.3524, 38.9007



32.3322, 62.7893, 16.5549

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.



7.4574, 21.3524, 39.5166



43.0031, 21.3524, 38.9007



10.0490, 21.3524, 2.6096

Square

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



43.0031, 21.3524, 38.9007



25.2032, 21.3524, 0.4864



7.4365, 21.3524, 12.4850



16.0690, 21.3524, 116.4616

Rectangle

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



43.0031, 21.3524, 38.9007



38.7108, 21.3524, 4.4345



7.4365, 21.3524, 12.4850



8.9029, 21.3524, 67.1849

Sweetspot

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



43.0038, 21.3536, 38.9011



71.8320, 59.1289, 84.0047



18.4039, 7.6714, 82.9491



14.8360, 11.7336, 17.3212



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.



43.0038, 21.3536, 38.9011



49.3246, 24.4938, 44.5029



36.4702, 18.7401, 4.4956



16.2404, 15.9459, 18.8224



23.6013, 11.7130, 21.6149



2.0071, 0.9919, 2.0284

Inverse Universe

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



43.0038, 21.3536, 38.9011



49.3246, 24.4938, 44.5029



40.6764, 66.1270, 60.4950



16.2404, 15.9459, 18.8224



23.6013, 11.7130, 21.6149



2.0071, 0.9919, 2.0284

Previews

White Background



This preview shows how the XYZ color 43.0031, 21.3524, 38.9007 looks on a white background.

Color Contrast Check

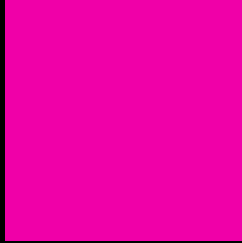
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.0031, 21.3524, 38.9007 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 43.0031, 21.3524, 38.9007

Background



This preview shows how black text looks on a background with the XYZ color 43.0031, 21.3524, 38.9007.



This preview shows how white text looks on a background with the XYZ color 43.0031, 21.3524,

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

43.0031, 21.3524, 38.9007

Protanopia

25.5876, 22.2606, 85.3862

Deuteranopia

22.2991, 21.8681, 34.9440



Tritanopia

36.6267, 21.6497, 7.8786

Trichromacy



Original Color

43.0031, 21.3524, 38.9007



Protanomaly

24.5220, 15.4979, 65.3173



Deuteranomaly

25.4501, 16.6354, 35.5878



Tritanomaly

37.9698, 20.5087, 15.3219

Monochromacy



Original Color

43.0031, 21.3524, 38.9007



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.5199, 10.3778, 18.5852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.0031, 21.3524, 38.9007 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(240, 0, 168)` looks like.

```
.text, #text, p{  
  color:rgb(240, 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(240, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 168) }
```

Border

The CSS property to change the border of an element to XYZ 43.0031, 21.3524, 38.9007 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(240, 0, 168) }
```


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

```
.border{ border-color:rgb(240, 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(240, 0, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 43.0031, 21.3524, 38.9007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 168) }
```

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

```
.background{ background-color: rgb(240, 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](#).

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