

Converting Colors

XYZ(42.8880, 21.0978, 47.7216)

Have a look what the booklet for
XYZ(42.8880, 21.0978, 47.7216)
contains.

XYZ(43.0179, 21.1650, 47.7169)	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(43.0179, 21.1650,
47.7169)**

Conversions

Conversions Part 1

Format	Color
Hex	EB00B9
RGB	235, 0, 185
RGB Percent	92%, 0%, 73%
CMY	0.0784, 0.9998, 0.2745
CMYK	0.00, 1.00, 0.21, 0.08
HSL	313°, 100%, 46%
HSV	313°, 100%, 92%
XYZ	43.0179, 21.1650, 47.7169
YIQ	91.3550, 80.6750, 107.3550

Conversions

Conversions Part 2

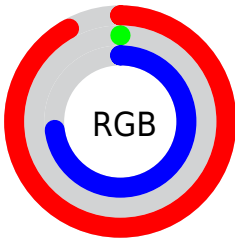
Format	Color
R_{YB}	235, 0, 185
Decimal	15401145
CIE _{Lab}	53.13, 85.92, -32.73
CIE _{LCh}	53, 91.939, 339.148
Yxy	21.1650, 0.3844, 0.1891
Android (android.graphics.Color)	4293591225 (0xFFEB00B9)
YUV	91.3550, 46.1670, 125.9767
Hunter-Lab	46.0054, 86.3989, -29.2919

Details

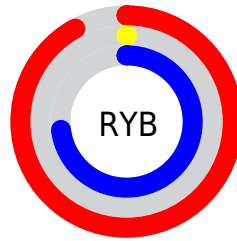
The XYZ color **43.0179, 21.1650, 47.7169** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **30.2859, 59.6479, 12.9402**, and the grayscale version is **9.9165, 10.4329, 11.3614**.

A 20% lighter version of the original color is **61.4849, 36.3462, 86.9940**, and **21.5523, 10.6374, 22.3900** is the 20% darker color. If you saturate the color by 10%, you get **43.0170, 21.1646, 47.7112**, and if you desaturate by 10%, it is **43.8729, 22.0149, 50.6529**.

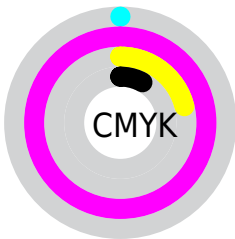
Distribution



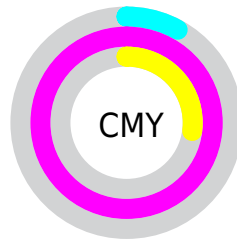
- Red (92%)
- Green (0%)
- Blue (73%)



- Red (92%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.0179, 21.1650, 47.7169 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 43.0179, 21.1650, 47.7169 by changing the saturation by 10% instead.


 43.0179, 21.1650,
47.7169

 43.0179, 21.1650,
47.7169

349.6056,
258.1541, 394.1452

 30.0937, 13.2447,
33.2444


 78.9934, 45.3620,
88.1439


 20.0582, 7.5972,
22.0411

 102.7755, 62.4074,
114.9354


 12.5459, 3.8383,
13.6885


 130.9076, 83.2633,
146.6704

 7.1914, 1.5835,
7.7680

 163.7550,
108.3141, 183.7673

 3.6295, 0.3465,
3.8612

 201.6832,
137.9442, 226.6447

 1.4947, 0.0000,
1.5495

 245.0575,

 0.3222, 0.0000,

172.5380, 275.7211

0.2544

294.2432,
212.4798, 331.4151

■ 0.0000, 0.0000,
0.0000

■ 43.0179, 21.1650,
47.7169

■ 43.0179, 21.1650,
47.7169

■ 43.0170, 21.1646,
47.7112

■ 43.8729, 22.0149,
50.6529

■ 45.1302, 23.6395,
53.8155

■ 46.9116, 26.2820,
57.2462

■ 49.2883, 30.0846,
60.9697

■ 52.3202, 35.1668,
65.0068

■ 56.0600, 41.6334,
69.3759

■ 60.5545, 49.5782,
74.0936

■ 65.8469, 59.0869,
79.1749

■ 71.9766, 70.2384,
84.6340

Harmonies

Analogous

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



34.3114, 21.1650, 94.0768



43.0179, 21.1650, 47.7169



44.6698, 21.1650, 15.5637

Triad

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



43.0179, 21.1650, 47.7169



17.2990, 21.1650, 0.0582



8.8557, 21.1650, 75.7710

Complementary

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



43.0179, 21.1650, 47.7169



30.2859, 59.6479, 12.9402

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.



6.7642, 21.1650, 32.6061



43.0179, 21.1650, 47.7169



10.5021, 21.1650, 1.4947

Square

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



43.0179, 21.1650, 47.7169



27.4995, 21.1650, 0.3975



7.2506, 21.1650, 8.7975



14.1898, 21.1650, 117.4382

Rectangle

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



43.0179, 21.1650, 47.7169



41.1557, 21.1650, 5.6070



7.2506, 21.1650, 8.7975



7.8426, 21.1650, 60.0015

Sweetspot

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



43.0186, 21.1661, 47.7173



72.7987, 59.5156, 89.0954



16.1701, 6.6046, 79.0201



15.0684, 11.8266, 18.5447



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.



43.0186, 21.1661, 47.7173



51.7512, 25.4645, 57.2815



35.3841, 18.1123, 7.5144



15.5696, 15.2557, 18.2845



23.9895, 11.7985, 26.8095



1.9180, 0.9401, 2.2853

Inverse Universe

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



43.0186, 21.1661, 47.7173



51.7512, 25.4645, 57.2815



36.4566, 62.1162, 45.4346



15.5696, 15.2557, 18.2845



23.9895, 11.7985, 26.8095



1.9180, 0.9401, 2.2853

Previews

White Background



This preview shows how the XYZ color 43.0179, 21.1650, 47.7169 looks on a white background.

Color Contrast Check

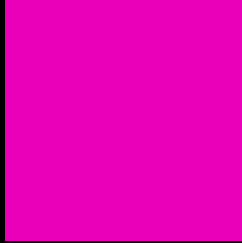
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.0179, 21.1650, 47.7169 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 43.0179, 21.1650, 47.7169

Background



This preview shows how black text looks on a background with the XYZ color 43.0179, 21.1650, 47.7169.



This preview shows how white text looks on a background with the XYZ color 43.0179, 21.1650,

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

43.0179, 21.1650, 47.7169

Protanopia

26.2539, 22.1489, 97.4992

Deuteranopia

22.3347, 21.9089, 42.5868



Tritanopia

35.0861, 21.4697, 9.3160

Trichromacy



Original Color

43.0179, 21.1650, 47.7169



Protanomaly

23.8890, 14.8158, 76.4636



Deuteranomaly

25.1763, 16.4301, 43.4394



Tritanomaly

36.4425, 19.8730, 18.4381

Monochromacy



Original Color

43.0179, 21.1650, 47.7169



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.5424, 10.3464, 20.5272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.0179, 21.1650, 47.7169 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(235, 0, 185)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 185)  
}
```

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(235, 0, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 185) }
```

Border

The CSS property to change the border of an element to XYZ 43.0179, 21.1650, 47.7169 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(235, 0, 185) }
```


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

```
.border{ border-color:rgb(235, 0, 185) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 185);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 43.0179, 21.1650, 47.7169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 185) }
```

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

```
.background{ background-color: rgb(235, 0,  
185) }
```

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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