

# Converting Colors

XYZ(43.2042, 22.2504, 45.5774)

Have a look what the booklet for  
XYZ(43.2042, 22.2504, 45.5774)  
contains.

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# Color

**XYZ(43.2323, 22.2601,  
45.7341)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB24B5
RGB	235, 36, 181
RGB Percent	92%, 14%, 71%
CMY	0.0784, 0.8588, 0.2902
CMYK	0.00, 0.85, 0.23, 0.08
HSL	316°, 83%, 53%
HSV	316°, 85%, 92%
XYZ	43.2323, 22.2601, 45.7341
YIQ	112.0310, 72.0590, 87.2830

# Conversions

## Conversions Part 2

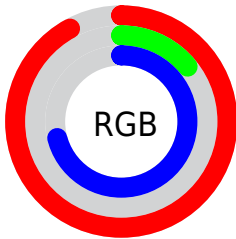
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 36, 181
Decimal	15410357
CIE Lab	54.30, 81.50, -28.57
CIE LCh	54, 86.364, 340.682
Yxy	22.2601, 0.3887, 0.2001
Android (android.graphics.Color)	4293600437 (0xFFEB24B5)
YUV	112.0310, 34.0017, 107.8438
Hunter-Lab	47.1806, 80.9962, -24.4458

# Details

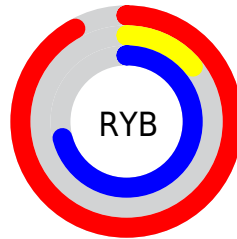
The XYZ color **43.2323, 22.2601, 45.7341** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **32.2828, 60.5308, 19.6589**, and the grayscale version is **15.3015, 16.0984, 17.5312**.

A 20% lighter version of the original color is **61.9947, 38.3117, 84.2482**, and **21.3518, 10.5572, 21.3344** is the 20% darker color. If you saturate the color by 10%, you get **42.0998, 21.0183, 42.2016**, and if you desaturate by 10%, it is **44.8620, 24.4477, 49.5805**.

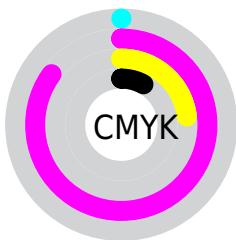
# Distribution



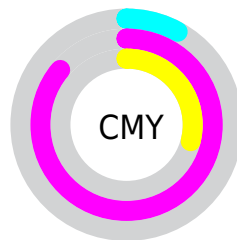
- Red (92%)
- Green (14%)
- Blue (71%)



- Red (92%)
- Yellow (14%)
- Blue (71%)



- Cyan (0%)
- Magenta (85%)
- Yellow (23%)
- Black (8%)




- Cyan (8%)
- Magenta (86%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2323, 22.2601, 45.7341 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 43.2323, 22.2601, 45.7341 by changing the saturation by 10% instead.





 43.2323, 22.2601,  
45.7341


 43.2323, 22.2601,  
45.7341

350.4716,  
263.9016, 385.9851


 30.2627, 14.0481,  
31.6889


 79.3148, 47.1755,  
85.1510

 20.1872, 8.1542,  
20.8611


 103.1585, 64.6478,  
111.3598

 12.6402, 4.1937,  
12.8323


 131.3576, 85.9755,  
142.4602

 7.2566, 1.7825,  
7.1838

 164.2774,  
111.5433, 178.8707

 3.6708, 0.4762,  
3.4971

 202.2834,  
141.7354, 221.0099

 1.5176, 0.0000,  
1.3537

245.7408,

 0.3378, 0.0000,

176.9362, 269.2964

0.1052

295.0151,  
217.5301, 324.1486

■ 0.0000, 0.0000,  
0.0000

■ 43.2323, 22.2601,  
45.7341

■ 43.2323, 22.2601,  
45.7341

■ 42.0998, 21.0183,  
42.2016

■ 44.8620, 24.4477,  
49.5805

■ 41.6333, 20.6111,  
40.4251

■ 47.0658, 27.7355,  
53.7678

■ 49.9095, 32.2537,  
58.3200

■ 53.4488, 38.1133,  
63.2576

■ 57.7333, 45.4130,  
68.5988

62.8079, 54.2420,  
74.3604

68.7140, 64.6825,  
80.5580

75.4899, 76.8105,  
87.2060

83.1716, 90.6975,  
94.3182

# Harmonies

## Analogous

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



35.2761, 22.2601, 88.5789



43.2323, 22.2601, 45.7341



44.3777, 22.2601, 15.8470

# Triad

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



43.2323, 22.2601, 45.7341



17.9786, 22.2601, 0.6122



10.1904, 22.2601, 76.1232

# Complementary

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



43.2323, 22.2601, 45.7341



32.2828, 60.5308, 19.6589

# 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.



7.8948, 22.2601, 35.1643



43.2323, 22.2601, 45.7341



11.4205, 22.2601, 2.3541

# Square

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



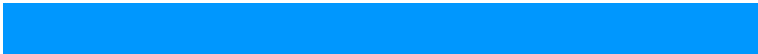
43.2323, 22.2601, 45.7341



27.7241, 22.2601, 0.8475



8.2659, 22.2601, 10.8207



15.7195, 22.2601, 113.3720



# Rectangle

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



43.2323, 22.2601, 45.7341



40.8403, 22.2601, 6.2479



8.2659, 22.2601, 10.8207



9.1016, 22.2601, 61.4501

# Sweetspot

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



43.2330, 22.2613, 45.7345



75.3139, 64.7861, 89.1931



19.7543, 9.3888, 79.3686



15.6382, 13.0241, 18.5562



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.



43.2330, 22.2613, 45.7345



50.0815, 24.7966, 48.4885



36.4326, 19.5411, 9.9237



15.5302, 15.2399, 18.0775



23.2269, 11.4935, 22.7941



1.8638, 0.9185, 2.0000



# Inverse Universe

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



43.2330, 22.2613, 45.7345



50.0815, 24.7966, 48.4885



39.5754, 63.4478, 58.0612



15.5302, 15.2399, 18.0775



23.2269, 11.4935, 22.7941



1.8638, 0.9185, 2.0000



# Previews

## White Background



This preview shows how the XYZ color 43.2323, 22.2601, 45.7341 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

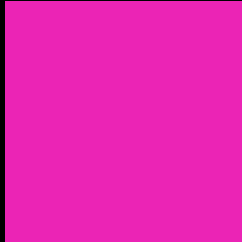
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.2323, 22.2601, 45.7341 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

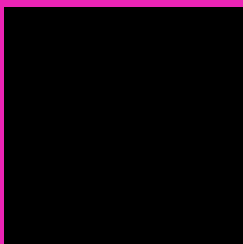
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 43.2323, 22.2601, 45.7341**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2323, 22.2601, 45.7341.



This preview shows how white text looks on a background with the XYZ color 43.2323, 22.2601,

45.7341.

# 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

43.2323, 22.2601, 45.7341

### Protanopia

26.4842, 22.7534, 92.6185

### Deuteranopia

23.0009, 22.4782, 41.1567



## Tritanopia

35.8176, 22.2327, 10.1881

# Trichromacy



## Original Color

43.2323, 22.2601, 45.7341



## Protanomaly

25.6811, 17.4956, 72.5445



## Deuteranomaly

26.8364, 19.0269, 42.3025



## Tritanomaly

37.5666, 21.5526, 19.0097

# Monochromacy



## Original Color

43.2323, 22.2601, 45.7341



## Achromatopsia

15.4009, 16.2029, 17.6450



## Achromatomaly

21.5903, 15.3149, 25.4850

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2323, 22.2601, 45.7341 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, 36, 181)` looks like.

```
.text, #text, p{  
    color:rgb(235, 36, 181)  
}
```

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, 36, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 36, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2323, 22.2601, 45.7341 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, 36, 181) }
```



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

```
.border{ border-color:rgb(235, 36, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 36, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 36, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 36, 181);  
box-shadow:4px 4px 4px 4px rgb(235, 36,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2323, 22.2601, 45.7341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 36, 181) }
```

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

```
.background{ background-color: rgb(235, 36,  
181) }
```

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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