

Converting Colors

XYZ(45.8750, 24.1830, 43.8449)

Have a look what the booklet for
XYZ(45.8750, 24.1830, 43.8449)
contains.

XYZ(45.8750, 24.1830, 43.8449)	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(45.8750, 24.1830,
43.8449)**

Conversions

Conversions Part 1

Format	Color
Hex	F32EB1
RGB	243, 46, 177
RGB Percent	95%, 18%, 69%
CMY	0.0471, 0.8195, 0.3059
CMYK	0.00, 0.81, 0.27, 0.05
HSL	320°, 89%, 57%
HSV	320°, 81%, 95%
XYZ	45.8750, 24.1830, 43.8449
YIQ	119.8370, 75.3610, 82.5050

Conversions

Conversions Part 2

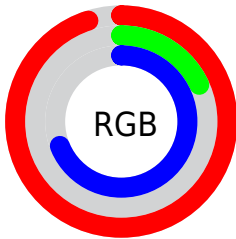
Format	Color
R _Y B	243, 46, 177
Decimal	15937201
CIE Lab	56.27, 80.70, -23.09
CIE LCh	56, 83.934, 344.036
Yxy	24.1830, 0.4028, 0.2123
Android (android.graphics.Color)	4294127281 (0xFFFF32EB1)
YUV	119.8370, 28.1814, 108.0140
Hunter-Lab	49.1762, 80.4589, -18.4389

Details

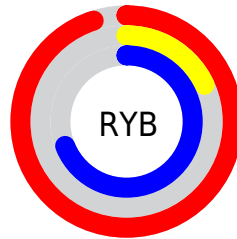
The XYZ color **45.8750, 24.1830, 43.8449** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **36.1036, 65.8529, 26.1417**, and the grayscale version is **17.6990, 18.6208, 20.2780**.

A 20% lighter version of the original color is **62.0787, 39.4047, 81.4247**, and **22.9295, 11.4003, 20.0607** is the 20% darker color. If you saturate the color by 10%, you get **44.3920, 22.4770, 39.4654**, and if you desaturate by 10%, it is **47.9442, 26.9834, 48.6591**.

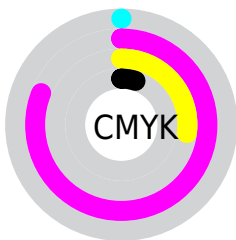
Distribution



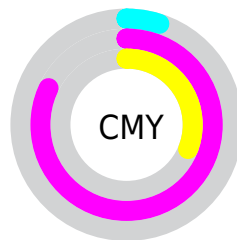
- Red (95%)
- Green (18%)
- Blue (69%)



- Red (95%)
- Yellow (18%)
- Blue (69%)



- Cyan (0%)
- Magenta (81%)
- Yellow (27%)
- Black (5%)





- Cyan (5%)
- Magenta (82%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8750, 24.1830, 43.8449 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 45.8750, 24.1830, 43.8449 by changing the saturation by 10% instead.

 45.8750, 24.1830,
43.8449

 45.8750, 24.1830,
43.8449


361.0302,
273.7444, 378.0978

 32.3514, 15.4694,
30.2123


 83.2609, 50.3287,
82.2843


 21.7869, 9.1495,
19.7464


 107.8539, 68.5295,
107.9282


 13.8161, 4.8388,
12.0286


 136.8674, 90.6617,
138.4129

 8.0737, 2.1530,
6.6404

 170.6668,
117.1094, 174.1569

 4.1944, 0.6942,
3.1632

 209.6175,
148.2571, 215.5789

 1.8127, 0.0000,
1.1786

254.0847,

 0.5253, 0.0000,

184.4893, 263.0974

0.0000

304.4338,
226.1902, 317.1308

■ 0.0000, 0.0000,
0.0000

■ 45.8750, 24.1830,
43.8449

■ 45.8750, 24.1830,
43.8449

■ 44.3920, 22.4770,
39.4654

■ 47.9442, 26.9834,
48.6591

■ 43.4469, 21.6486,
35.8771

■ 50.6773, 31.0330,
53.9373

■ 54.1418, 36.4654,
59.7062

■ 58.3962, 43.3960,
65.9890

■ 63.4925, 51.9282,
72.8070

69.4785, 62.1559,
80.1797

76.3980, 74.1658,
88.1252

84.2921, 88.0388,
96.6608

90.0210, 97.4942,
104.7433

Harmonies

Analogous

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



38.4696, 24.1830, 86.0989



45.8750, 24.1830, 43.8449



46.1321, 24.1830, 15.4198

Triad

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



45.8750, 24.1830, 43.8449



18.7673, 24.1830, 1.0955



12.0485, 24.1830, 83.3386

Complementary

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



45.8750, 24.1830, 43.8449



36.1036, 65.8529, 26.1417

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.



9.2615, 24.1830, 41.4589



45.8750, 24.1830, 43.8449



12.3383, 24.1830, 3.6122

Square

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



45.8750, 24.1830, 43.8449



28.4834, 24.1830, 1.1521



9.3501, 24.1830, 14.2402



18.2445, 24.1830, 117.7722

Rectangle

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



45.8750, 24.1830, 43.8449



42.0755, 24.1830, 6.3664



9.3501, 24.1830, 14.2402



10.7706, 24.1830, 68.7528

Sweetspot

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



45.8758, 24.1843, 43.8453



75.4098, 65.7236, 86.9266



23.7964, 11.8499, 85.8275



15.6286, 13.1921, 17.9759



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.



45.8758, 24.1843, 43.8453



48.7815, 24.4094, 41.2332



39.3456, 21.5722, 9.4579



16.9638, 16.6684, 19.5561



23.9104, 11.9076, 20.0342



2.1492, 1.0656, 2.0118

Inverse Universe

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



45.8758, 24.1843, 43.8453



48.7815, 24.4094, 41.2332



44.8321, 69.3443, 72.1055



16.9638, 16.6684, 19.5561



23.9104, 11.9076, 20.0342



2.1492, 1.0656, 2.0118

Previews

White Background



This preview shows how the XYZ color 45.8750, 24.1830, 43.8449 looks on a white background.

Color Contrast Check

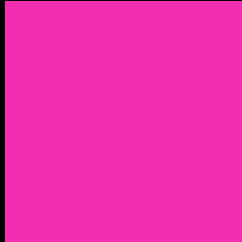
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.8750, 24.1830, 43.8449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

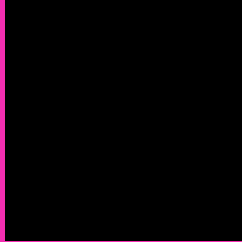
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.8750, 24.1830, 43.8449

Background



This preview shows how black text looks on a background with the XYZ color 45.8750, 24.1830, 43.8449.



This preview shows how white text looks on a background with the XYZ color 45.8750, 24.1830,

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

45.8750, 24.1830, 43.8449

Protanopia

27.7258, 24.7251, 85.7492

Deuteranopia

24.8071, 24.2422, 39.4481



Tritanopia

39.0610, 24.2103, 11.0018

Trichromacy



Original Color

45.8750, 24.1830, 43.8449



Protanomaly

28.3334, 20.0679, 68.0258



Deuteranomaly

29.1430, 21.0939, 40.5657



Tritanomaly

40.9337, 23.7930, 19.5746

Monochromacy



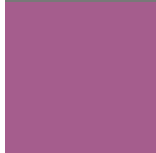
Original Color

45.8750, 24.1830, 43.8449



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

24.2391, 17.7511, 27.3481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8750, 24.1830, 43.8449 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(243, 46, 177)` looks like.

```
.text, #text, p{  
    color:rgb(243, 46, 177)  
}
```

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(243, 46, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 46, 177) }
```

Border

The CSS property to change the border of an element to XYZ 45.8750, 24.1830, 43.8449 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(243, 46, 177) }
```


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

```
.border{ border-color:rgb(243, 46, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 46, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 46, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 46, 177);  
box-shadow:4px 4px 4px 4px rgb(243, 46,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8750, 24.1830, 43.8449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 46, 177) }
```

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

```
.background{ background-color: rgb(243, 46,  
177) }
```

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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