

# Converting Colors

XYZ(43.1103, 23.2058, 48.4335)

Have a look what the booklet for  
XYZ(43.1103, 23.2058, 48.4335)  
contains.

<b>XYZ(43.1841, 23.2665, 48.6692)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(43.1841, 23.2665,  
48.6692)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E737BA
RGB	231, 55, 186
RGB Percent	91%, 22%, 73%
CMY	0.0941, 0.7843, 0.2706
CMYK	0.00, 0.76, 0.19, 0.09
HSL	315°, 79%, 56%
HSV	315°, 76%, 91%
XYZ	43.1841, 23.2665, 48.6692
YIQ	122.5580, 62.8450, 78.0530

# Conversions

## Conversions Part 2

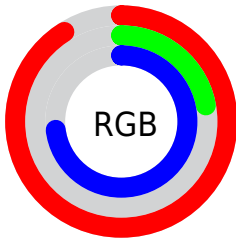
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	231, 55, 186
Decimal	15153082
CIE <sub>Lab</sub>	55.35, 76.86, -29.91
CIE <sub>LCh</sub>	55, 82.473, 338.737
Yxy	23.2665, 0.3751, 0.2021
Android (android.graphics.Color)	4293343162 (0xFFE737BA)
YUV	122.5580, 31.2769, 95.1036
Hunter-Lab	48.2354, 75.3954, -26.0585

# Details

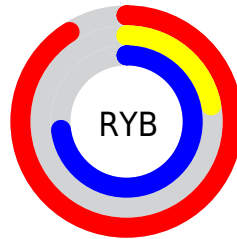
The XYZ color **43.1841, 23.2665, 48.6692** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **32.4531, 58.8850, 21.7151**, and the grayscale version is **18.5694, 19.5364, 21.2752**.

A 20% lighter version of the original color is **63.8638, 40.8645, 88.5260**, and **20.9594, 10.3239, 22.7178** is the 20% darker color. If you saturate the color by 10%, you get **41.7171, 21.3164, 45.1459**, and if you desaturate by 10%, it is **45.1916, 26.2553, 52.5011**.

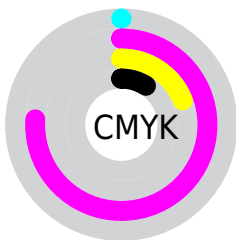
# Distribution



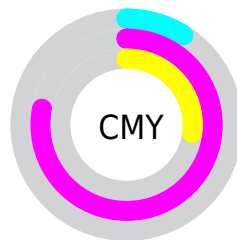
- Red (91%)
- Green (22%)
- Blue (73%)



- Red (91%)
- Yellow (22%)
- Blue (73%)



- Cyan (0%)
- Magenta (76%)
- Yellow (19%)
- Black (9%)




- Cyan (9%)
- Magenta (78%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1841, 23.2665, 48.6692 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 43.1841, 23.2665, 48.6692 by changing the saturation by 10% instead.





 43.1841, 23.2665,  
48.6692


 43.1841, 23.2665,  
48.6692


350.2770,  
269.0909, 398.0235

 30.2247, 14.7904,  
33.9934


 79.2426, 48.8306,  
89.5758


 20.1582, 8.6724,  
22.6112


 103.0724, 66.6873,  
116.6438


 12.6190, 4.5281,  
14.1041


 131.2564, 88.4397,  
148.6794

 7.2419, 1.9732,  
8.0535

 164.1600,  
114.4722, 186.1015

 3.6615, 0.5918,  
4.0409

 202.1485,  
145.1692, 229.3283

 1.5125, 0.0000,  
1.6478

245.5873,

 0.3343, 0.0000,

180.9150, 278.7786

0.3246

294.8417,  
222.0941, 334.8708

■ 0.0000, 0.0000,  
0.0000

■ 43.1841, 23.2665,  
48.6692

■ 43.1841, 23.2665,  
48.6692

■ 41.7171, 21.3164,  
45.1459

■ 45.1916, 26.2553,  
52.5011

■ 40.7090, 20.2436,  
41.9019


■ 47.8010, 30.4062,  
56.6631


■ 40.3952, 19.9650,  
40.7211


■ 51.0675, 35.8288,  
61.1752


■ 55.0395, 42.6194,  
66.0549

■ 59.7605, 50.8646,  
71.3182

 65.2706, 60.6441,  
76.9799

 71.6069, 72.0317,  
83.0538

 78.8042, 85.0963,  
89.5527

 84.3188, 94.7505,  
95.6302

# Harmonies

## Analogous

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



35.2202, 23.2665, 89.4893



43.1841, 23.2665, 48.6692



44.7729, 23.2665, 18.3548

# Triad

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



43.1841, 23.2665, 48.6692



19.5201, 23.2665, 0.9723



10.9367, 23.2665, 72.4656

# Complementary

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



43.1841, 23.2665, 48.6692



32.4531, 58.8850, 21.7151

# 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.



8.7782, 23.2665, 33.8882



43.1841, 23.2665, 48.6692



12.7447, 23.2665, 2.7498

# Square

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



43.1841, 23.2665, 48.6692



29.2142, 23.2665, 1.3379



9.3321, 23.2665, 10.9833



16.2690, 23.2665, 108.6690



# Rectangle

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



43.1841, 23.2665, 48.6692



41.6708, 23.2665, 7.8833



9.3321, 23.2665, 10.9833



9.8945, 23.2665, 58.5774

# Sweetspot

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



43.1849, 23.2677, 48.6696



76.7876, 67.1894, 91.3623



20.9372, 11.1562, 76.6515



15.9290, 13.4871, 19.0192



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.



43.1849, 23.2677, 48.6696



51.4711, 25.8411, 54.2999



36.5745, 20.6235, 13.8597



14.8294, 14.5490, 17.3022



22.6989, 11.2138, 23.1069



1.7144, 0.8435, 1.9027



# Inverse Universe

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



43.1849, 23.2677, 48.6696



51.4711, 25.8411, 54.2999



39.1222, 61.5527, 56.8345



14.8294, 14.5490, 17.3022



22.6989, 11.2138, 23.1069



1.7144, 0.8435, 1.9027



# Previews

## White Background



This preview shows how the XYZ color 43.1841, 23.2665, 48.6692 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

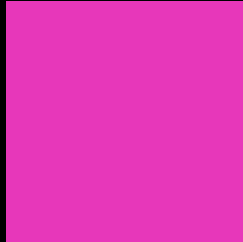
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.1841, 23.2665, 48.6692 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

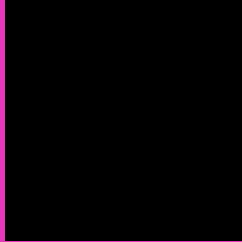
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 43.1841, 23.2665, 48.6692**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1841, 23.2665, 48.6692.



This preview shows how white text looks on a background with the XYZ color 43.1841, 23.2665,



# 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

43.1841, 23.2665, 48.6692

### Protanopia

27.2325, 23.7708, 90.3417

### Deuteranopia

23.9788, 23.5048, 44.3473



## Tritanopia

35.7714, 23.2771, 12.7328

# Trichromacy



## Original Color

43.1841, 23.2665, 48.6692



## Protanomaly

27.4118, 19.6304, 72.8653



## Deuteranomaly

27.9888, 20.6772, 45.6959



## Tritanomaly

37.6460, 22.7073, 22.1374

# Monochromacy



## Original Color

43.1841, 23.2665, 48.6692



## Achromatopsia

18.8265, 19.8069, 21.5697



## Achromatomaly

24.4563, 18.4921, 29.4745

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1841, 23.2665, 48.6692 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(231, 55, 186)` looks like.

```
.text, #text, p{  
    color:rgb(231, 55, 186)  
}
```

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(231, 55, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 55, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1841, 23.2665, 48.6692 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(231, 55, 186) }
```



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

```
.border{ border-color:rgb(231, 55, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 55, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 55, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 55, 186);  
box-shadow:4px 4px 4px 4px rgb(231, 55,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1841, 23.2665, 48.6692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 55, 186) }
```

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

```
.background{ background-color: rgb(231, 55,  
186) }
```

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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