

# Converting Colors

XYZ(43.1017, 23.9000, 80.4804)

Have a look what the booklet for  
XYZ(43.1017, 23.9000, 80.4804)  
contains.

<b>XYZ(43.1811, 23.9851, 80.1956)</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(43.1811, 23.9851,  
80.1956)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D048EA
RGB	208, 72, 234
RGB Percent	82%, 28%, 92%
CMY	0.1843, 0.7176, 0.0824
CMYK	0.11, 0.69, 0.00, 0.08
HSL	290°, 79%, 60%
HSV	290°, 69%, 92%
XYZ	43.1811, 23.9851, 80.1956
YIQ	131.1320, 29.0540, 79.2140

# Conversions

## Conversions Part 2

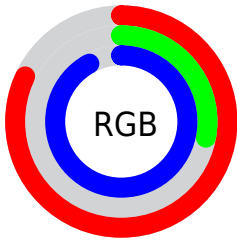
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	208, 72, 234
Decimal	13650154
CIE <sub>Lab</sub>	56.07, 73.72, -56.35
CIE <sub>LCh</sub>	56, 92.789, 322.603
Yxy	23.9851, 0.2930, 0.1628
Android (android.graphics.Color)	4291840234 (0xFFD048EA)
YUV	131.1320, 50.7139, 67.4132
Hunter-Lab	48.9746, 71.6787, -62.8048

# Details

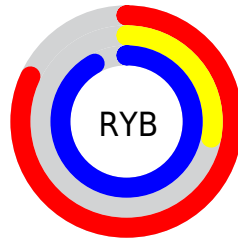
The XYZ color **43.1811, 23.9851, 80.1956** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **35.6302, 61.9107, 16.2038**, and the grayscale version is **21.4390, 22.5555, 24.5629**.

A 20% lighter version of the original color is **67.4063, 44.7126, 99.6854**, and **20.3302, 9.5639, 42.3695** is the 20% darker color. If you saturate the color by 10%, you get **40.9028, 20.9765, 79.7353**, and if you desaturate by 10%, it is **46.0617, 28.1592, 80.8498**.

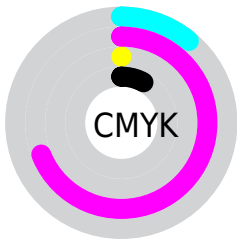
# Distribution



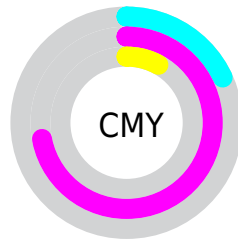
- Red (82%)
- Green (28%)
- Blue (92%)



- Red (82%)
- Yellow (28%)
- Blue (92%)



- Cyan (11%)
- Magenta (69%)
- Yellow (0%)
- Black (8%)




- Cyan (18%)
- Magenta (72%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1811, 23.9851, 80.1956 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 43.1811, 23.9851, 80.1956 by changing the saturation by 10% instead.




 43.1811, 23.9851,  
80.1956


 43.1811, 23.9851,  
80.1956

350.2649,  
272.7451, 515.3159


 30.2224, 15.3226,  
59.3522


 79.2381, 50.0059,  
135.4546


 20.1563, 9.0461,  
42.4748


 103.0671, 68.1329,  
170.7073


 12.6177, 4.7713,  
29.1449


 131.2501, 90.1836,  
211.6001

 7.2410, 2.1137,  
18.9440

 164.1527,  
116.5423, 258.5517

 3.6609, 0.6723,  
11.4534

 202.1401,  
147.5934, 311.9805

 1.5122, 0.0000,  
6.2547

245.5777,

 0.3341, 0.0000,

183.7213, 372.3051

2.9293

294.8309,  
225.3104, 439.9441

■ 0.0000, 0.0000,  
1.0586

■ 0.0000, 0.0000,  
0.0000

■ 43.1811, 23.9851,  
80.1956

■ 43.1811, 23.9851,  
80.1956

■ 40.9028, 20.9765,  
79.7353

■ 46.0617, 28.1592,  
80.8498

■ 39.1543, 18.9917,  
79.4444


■ 49.6002, 33.6127,  
81.7160


■ 37.8278, 17.8144,  
79.2871


■ 53.8491, 40.4493,  
82.8116


■ 37.7326, 17.7363,  
79.2770


■ 58.8547, 48.7614,  
84.1522

 64.6590, 58.6329,  
85.7517

 71.3013, 70.1419,  
87.6230

 78.8178, 83.3609,  
89.7784

 85.8865, 95.6456,  
91.7770

 87.1610, 96.3026,  
91.8367

# Harmonies

## Analogous

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



31.5841, 23.9851, 125.9118



43.1811, 23.9851, 80.1956



49.6473, 23.9851, 34.3948

# Triad

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



43.1811, 23.9851, 80.1956



25.5295, 23.9851, 0.3258



8.6608, 23.9851, 55.6713

# Complementary

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



43.1811, 23.9851, 80.1956



35.6302, 61.9107, 16.2038

# 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.



7.9475, 23.9851, 19.2847



43.1811, 23.9851, 80.1956



15.8128, 23.9851, 0.7701

# Square

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



43.1811, 23.9851, 80.1956



37.5900, 23.9851, 1.7578



10.1149, 23.9851, 4.2625



12.5053, 23.9851, 105.6164



# Rectangle

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



43.1811, 23.9851, 80.1956



49.1079, 23.9851, 15.3176



10.1149, 23.9851, 4.2625



8.1081, 23.9851, 41.0734

# Sweetspot

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



43.1821, 23.9861, 80.1961



77.1903, 68.8697, 103.8326



21.9864, 16.2429, 79.8187



16.0928, 14.0085, 22.1057



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.



43.1821, 23.9861, 80.1961



48.7555, 24.3506, 96.7382



44.4879, 25.4232, 45.7435



15.4636, 15.1843, 19.0381



21.2934, 10.0130, 44.5534



1.7356, 0.8190, 3.5015



# Inverse Universe

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



38.4543, 23.0098, 13.9706



43.4674, 23.5536, 9.3353



35.8619, 61.7303, 29.7648



15.1640, 15.0935, 16.1492



19.2903, 9.9188, 2.0639

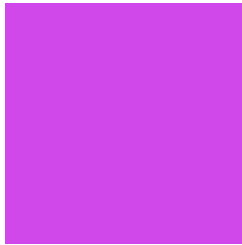


1.5444, 0.7907, 0.3180



# Previews

## White Background



This preview shows how the XYZ color 43.1811, 23.9851, 80.1956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

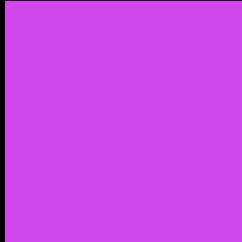
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.1811, 23.9851, 80.1956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

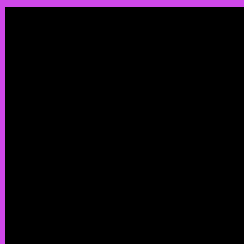
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 43.1811, 23.9851, 80.1956**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1811, 23.9851, 80.1956.



This preview shows how white text looks on a background with the XYZ color 43.1811, 23.9851,



# 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

43.1811, 23.9851, 80.1956

### Protanopia

28.3463, 24.5764, 97.8575

### Deuteranopia

24.9637, 24.1922, 73.1659



## Tritanopia

30.8383, 23.7973, 20.1075

# Trichromacy



## Original Color

43.1811, 23.9851, 80.1956



## Protanomaly

29.7005, 21.6492, 90.6090



## Deuteranomaly

27.9715, 21.4195, 75.3332



## Tritanomaly

33.8167, 22.9096, 35.8974

# Monochromacy



## Original Color

43.1811, 23.9851, 80.1956



## Achromatopsia

21.5731, 22.6966, 24.7166



## Achromatomaly

26.9419, 21.3499, 39.7467

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1811, 23.9851, 80.1956 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(208, 72, 234)` looks like.

```
.text, #text, p{  
    color:rgb(208, 72, 234)  
}
```

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(208, 72, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 72, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1811, 23.9851, 80.1956 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(208, 72, 234) }
```



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

```
.border{ border-color:rgb(208, 72, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 72, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 72, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 72, 234);  
box-shadow:4px 4px 4px 4px rgb(208, 72,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1811, 23.9851, 80.1956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 72, 234) }
```

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

```
.background{ background-color: rgb(208, 72,  
234) }
```

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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