

# Converting Colors

XYZ(40.9895, 21.7040, 41.5676)

Have a look what the booklet for  
XYZ(40.9895, 21.7040, 41.5676)  
contains.

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# Color

**XYZ(41.1529, 21.7941,  
41.5728)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E62EAD
RGB	230, 46, 173
RGB Percent	90%, 18%, 68%
CMY	0.0980, 0.8196, 0.3216
CMYK	0.00, 0.80, 0.25, 0.10
HSL	319°, 79%, 54%
HSV	319°, 80%, 90%
XYZ	41.1529, 21.7941, 41.5728
YIQ	115.4940, 68.8970, 78.5050

# Conversions

## Conversions Part 2

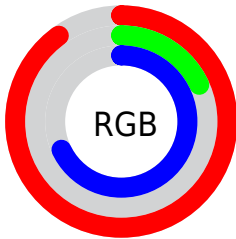
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	230, 46, 173
Decimal	15085229
CIE <sub>Lab</sub>	53.81, 77.36, -24.73
CIE <sub>LCh</sub>	54, 81.222, 342.270
Yxy	21.7941, 0.3937, 0.2085
Android (android.graphics.Color)	4293275309 (0xFFE62EAD)
YUV	115.4940, 28.3505, 100.4218
Hunter-Lab	46.6842, 75.6536, -20.1196

# Details

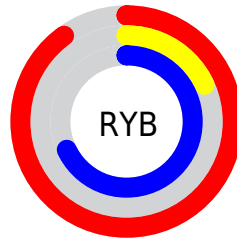
The XYZ color **41.1529, 21.7941, 41.5728** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **31.8731, 58.1545, 22.3806**, and the grayscale version is **16.3496, 17.2010, 18.7319**.

A 20% lighter version of the original color is **61.2880, 38.7274, 78.3736**, and **19.9677, 9.9021, 18.6282** is the 20% darker color. If you saturate the color by 10%, you get **39.8113, 20.1850, 37.8140**, and if you desaturate by 10%, it is **43.0132, 24.3814, 45.6863**.

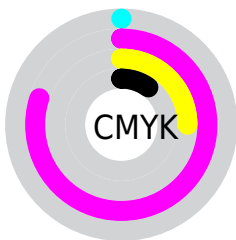
# Distribution



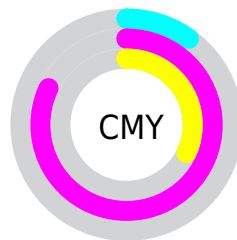
- Red (90%)
- Green (18%)
- Blue (68%)



- Red (90%)
- Yellow (18%)
- Blue (68%)



- Cyan (0%)
- Magenta (80%)
- Yellow (25%)
- Black (10%)



- Cyan (10%)
- Magenta (82%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1529, 21.7941, 41.5728 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 41.1529, 21.7941, 41.5728 by changing the saturation by 10% instead.



41.1529, 21.7941,  
41.5728

41.1529, 21.7941,  
41.5728

342.0109,  
261.4691, 368.4563

28.6268, 13.7057,  
28.4439

76.1892, 46.4055,  
78.8158

18.9415, 7.9163,  
18.4186

99.4301, 63.6972,  
103.7669

11.7318, 4.0414,  
11.0784

126.9732, 84.8255,  
133.4958

6.6322, 1.6968,  
6.0047

159.1840,  
110.1747, 168.4210

3.2774, 0.4216,  
2.7791

196.4279,  
140.1293, 208.9611

1.3021, 0.0000,  
0.9830

239.0701,

0.1848, 0.0000,

175.0736, 255.5347

0.0000

287.4760,  
215.3921, 308.5602

■ 0.0000, 0.0000,  
0.0000

■ 41.1529, 21.7941,  
41.5728

■ 41.1529, 21.7941,  
41.5728

■ 39.8113, 20.1850,  
37.8140

■ 43.0132, 24.3814,  
45.6863

■ 38.8696, 19.3178,  
34.3670


■ 45.4581, 28.0784,  
50.1787


■ 38.8691, 19.3174,  
34.3650


■ 48.5455, 32.9997,  
55.0721


■ 52.3255, 39.2447,  
60.3859

■ 56.8431, 46.9027,  
66.1375

 62.1394, 56.0550,  
72.3434

 68.2524, 66.7767,  
79.0184

 75.2175, 79.1379,  
86.1770

 83.0680, 93.2045,  
93.8325

# Harmonies

## Analogous

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



34.1704, 21.7941, 79.9876



41.1529, 21.7941, 41.5728



41.8099, 21.7941, 14.9145

# Triad

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



41.1529, 21.7941, 41.5728



17.3503, 21.7941, 0.9372



10.6160, 21.7941, 72.9312

# Complementary

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



41.1529, 21.7941, 41.5728



31.8731, 58.1545, 22.3806

# 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.



8.2665, 21.7941, 35.4742



41.1529, 21.7941, 41.5728



11.3561, 21.7941, 2.9775

# Square

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



41.1529, 21.7941, 41.5728



26.2545, 21.7941, 1.0817



8.4927, 21.7941, 11.9006



16.0146, 21.7941, 105.2058



# Rectangle

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



41.1529, 21.7941, 41.5728



38.3820, 21.7941, 6.2119



8.4927, 21.7941, 11.9006



9.5219, 21.7941, 59.7318

# Sweetspot

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



41.1536, 21.7952, 41.5732



75.6334, 65.8131, 88.1042



20.6508, 10.4471, 75.7912



15.6827, 13.2137, 18.2606



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.



41.1536, 21.7952, 41.5732



49.5036, 24.7426, 44.8992



35.1648, 19.3997, 10.0366



14.7950, 14.5352, 17.1211



22.0627, 10.9593, 19.7570



1.6716, 0.8263, 1.6771



# Inverse Universe

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



41.1536, 21.7952, 41.5732



49.5036, 24.7426, 44.8992



39.0725, 61.0343, 60.2923



14.7950, 14.5352, 17.1211



22.0627, 10.9593, 19.7570



1.6716, 0.8263, 1.6771



# Previews

## White Background



This preview shows how the XYZ color 41.1529, 21.7941, 41.5728 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

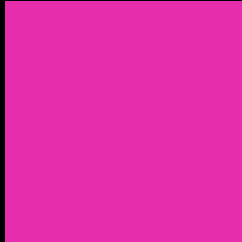
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.1529, 21.7941, 41.5728 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

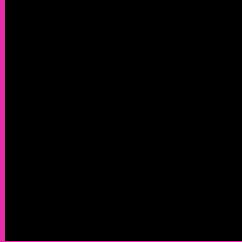
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.1529, 21.7941, 41.5728**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.1529, 21.7941, 41.5728.



This preview shows how white text looks on a background with the XYZ color 41.1529, 21.7941,

41.5728.

# 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

41.1529, 21.7941, 41.5728

### Protanopia

25.3727, 22.4400, 80.8360

### Deuteranopia

22.5124, 22.1082, 37.7311



## Tritanopia

34.7171, 21.7613, 10.5542

# Trichromacy



## Original Color

41.1529, 21.7941, 41.5728



## Protanomaly

25.8312, 18.2894, 64.4561



## Deuteranomaly

26.4470, 19.3119, 38.8929



## Tritanomaly

36.4646, 21.3261, 18.7175

# Monochromacy



## Original Color

41.1529, 21.7941, 41.5728



## Achromatopsia

16.6002, 17.4647, 19.0191



## Achromatomaly

22.1611, 16.4564, 25.6753

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1529, 21.7941, 41.5728 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(230, 46, 173)` looks like.

```
.text, #text, p{  
    color:rgb(230, 46, 173)  
}
```

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(230, 46, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 46, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1529, 21.7941, 41.5728 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(230, 46, 173) }
```



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

```
.border{ border-color:rgb(230, 46, 173) }
```

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

Here you see how a box with a 4 pixel rgb(230, 46, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 46, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 46, 173);  
box-shadow:4px 4px 4px 4px rgb(230, 46,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.1529, 21.7941, 41.5728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 46, 173) }
```

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

```
.background{ background-color: rgb(230, 46,  
173) }
```

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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