

# Converting Colors

XYZ(41.3174, 27.0105, 43.7954)

Have a look what the booklet for  
XYZ(41.3174, 27.0105, 43.7954)  
contains.

<b>XYZ(41.4131, 27.0789, 43.6015)</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(41.4131, 27.0789,  
43.6015)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB63AF
RGB	219, 99, 175
RGB Percent	86%, 39%, 69%
CMY	0.1412, 0.6117, 0.3137
CMYK	0.00, 0.55, 0.20, 0.14
HSL	322°, 62%, 62%
HSV	322°, 55%, 86%
XYZ	41.4131, 27.0789, 43.6015
YIQ	143.5440, 47.1240, 49.0760

# Conversions

## Conversions Part 2

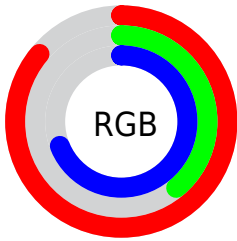
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">219, 99, 175</a>
Decimal	<a href="#">14377903</a>
CIELab	<a href="#">59.05, 55.58, -18.02</a>
CIElCh	<a href="#">59, 58.426, 342.032</a>
Yxy	<a href="#">27.0789, 0.3695, 0.2416</a>
Android (android.graphics.Color)	<a href="#">4292567983 (0xFFDB63AF)</a>
YUV	<a href="#">143.5440, 15.5078, 66.1749</a>
Hunter-Lab	<a href="#">52.0374, 50.9909, -13.2522</a>

# Details

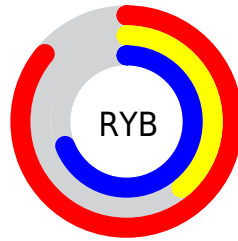
The XYZ color **41.4131, 27.0789, 43.6015** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **35.4363, 55.2996, 34.7953**, and the grayscale version is **26.2536, 27.6208, 30.0791**.

A 20% lighter version of the original color is **67.2194, 50.1407, 81.7366**, and **19.0388, 10.6381, 19.4623** is the 20% darker color. If you saturate the color by 10%, you get **38.8472, 23.1717, 38.9699**, and if you desaturate by 10%, it is **44.5900, 32.1324, 48.6687**.

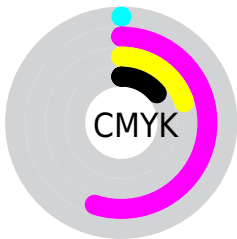
# Distribution



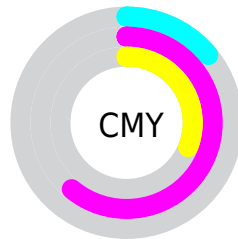
- Red (86%)
- Green (39%)
- Blue (69%)



- Red (86%)
- Yellow (39%)
- Blue (69%)



- Cyan (0%)
- Magenta (55%)
- Yellow (20%)
- Black (14%)




- Cyan (14%)
- Magenta (61%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4131, 27.0789, 43.6015 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 41.4131, 27.0789, 43.6015 by changing the saturation by 10% instead.





 41.4131, 27.0789,  
43.6015


 41.4131, 27.0789,  
43.6015


343.0774,  
288.0389, 377.0733

 28.8311, 17.6325,  
30.0225


 76.5814, 55.0105,  
81.9138


 19.0967, 10.6865,  
19.6034


 99.8983, 74.2644,  
107.4842

 11.8446, 5.8564,  
11.9259


 127.5243, 97.5563,  
137.8888

 6.7094, 2.7580,  
6.5713

 159.8247,  
125.2705, 173.5460

 3.3257, 1.0067,  
3.1211

197.1649,  
157.7915, 214.8746

 1.3283, 0.0000,  
1.1568

239.9101,

 0.2042, 0.0000,

195.5036, 262.2930

0.0000

288.4258,  
238.7913, 316.2197

■ 0.0000, 0.0000,  
0.0000

■ 41.4131, 27.0789,  
43.6015

■ 41.4131, 27.0789,  
43.6015

■ 38.8472, 23.1717,  
38.9699

■ 44.5900, 32.1324,  
48.6687

■ 36.8424, 20.3133,  
34.7526

■ 48.4177, 38.4113,  
54.1879

■ 35.3445, 18.3964,  
30.9276

■ 52.9353, 45.9925,  
60.1762

■ 34.2867, 17.2884,  
27.4685

■ 58.1780, 54.9451,  
66.6490

■ 33.8516, 16.9154,  
25.7908

■ 64.1785, 65.3335,  
73.6209

■ 70.9677, 77.2180,  
81.1056

■ 78.5744, 90.6554,  
89.1163

■ 80.5896, 92.8265,  
95.5201

■ 81.8044, 93.3125,  
101.9172

# Harmonies

## Analogous

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



36.2497, 27.0789, 70.2132



41.4131, 27.0789, 43.6015



41.9285, 27.0789, 21.9178

# Triad

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



41.4131, 27.0789, 43.6015



22.9387, 27.0789, 5.1331



16.7065, 27.0789, 65.1252

# Complementary

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



41.4131, 27.0789, 43.6015



35.4363, 55.2996, 34.7953

# 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.



14.3656, 27.0789, 38.6181



41.4131, 27.0789, 43.6015



17.4840, 27.0789, 8.6554

# Square

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



41.4131, 27.0789, 43.6015



30.2841, 27.0789, 5.4742



14.6206, 27.0789, 18.7997



21.6707, 27.0789, 86.1310



# Rectangle

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



41.4131, 27.0789, 43.6015



39.4631, 27.0789, 12.9689



14.6206, 27.0789, 18.7997



15.6328, 27.0789, 56.1464

# Sweetspot

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



41.4139, 27.0802, 43.6020



81.0712, 75.7480, 92.8166



28.5771, 19.8794, 69.3491



17.0115, 15.6285, 19.4524



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.



41.4139, 27.0802, 43.6020



54.2817, 31.8910, 53.9148



36.7708, 25.2230, 19.1519



13.4013, 13.1896, 15.3743



20.1267, 10.0517, 15.5791



1.3448, 0.6676, 1.2249



# Inverse Universe

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



41.4139, 27.0802, 43.6020



54.2817, 31.8910, 53.9148



41.2576, 57.6281, 65.4495



13.4013, 13.1896, 15.3743



20.1267, 10.0517, 15.5791



1.3448, 0.6676, 1.2249



# Previews

## White Background



This preview shows how the XYZ color 41.4131, 27.0789, 43.6015 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

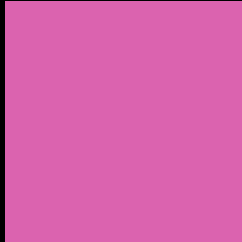
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 41.4131, 27.0789, 43.6015 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

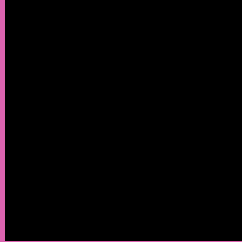
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.4131, 27.0789, 43.6015**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4131, 27.0789, 43.6015.



This preview shows how white text looks on a background with the XYZ color 41.4131, 27.0789,



# 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

41.4131, 27.0789, 43.6015

### Protanopia

28.4236, 27.3015, 61.5292

### Deuteranopia

27.8021, 27.2217, 40.8348



## Tritanopia

36.7458, 26.9969, 20.7270

# Trichromacy



## Original Color

41.4131, 27.0789, 43.6015



## Protanomaly

30.9758, 25.7304, 54.3728



## Deuteranomaly

31.3529, 26.0135, 41.8967



## Tritanomaly

38.2368, 26.9784, 27.6181

# Monochromacy



## Original Color

41.4131, 27.0789, 43.6015



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

30.4302, 26.4628, 34.5143

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4131, 27.0789, 43.6015 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(219, 99, 175)` looks like.

```
.text, #text, p{  
  color:rgb(219, 99, 175)  
}
```

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(219, 99, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 99, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4131, 27.0789, 43.6015 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(219, 99, 175) }
```



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

```
.border{ border-color:rgb(219, 99, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 99, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 99, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 99, 175);  
box-shadow:4px 4px 4px 4px rgb(219, 99,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4131, 27.0789, 43.6015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 99, 175) }
```

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

```
.background{ background-color: rgb(219, 99,  
175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor