

# Converting Colors

XYZ(41.4754, 20.8302, 26.8446)

Have a look what the booklet for  
XYZ(41.4754, 20.8302, 26.8446)  
contains.

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# Color

**XYZ(41.4257, 20.8003,  
27.0308)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2008D
RGB	242, 0, 141
RGB Percent	95%, 0%, 55%
CMY	0.0510, 0.9998, 0.4471
CMYK	0.00, 1.00, 0.42, 0.05
HSL	325°, 100%, 47%
HSV	325°, 100%, 95%
XYZ	41.4257, 20.8003, 27.0308
YIQ	88.4320, 98.9710, 95.1550

# Conversions

## Conversions Part 2

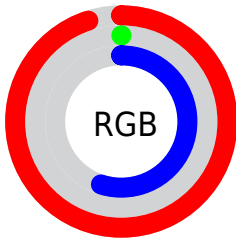
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 0, 141
Decimal	15859853
CIE <sub>Lab</sub>	52.73, 82.84, -7.20
CIE <sub>LCh</sub>	53, 83.155, 355.034
Yxy	20.8003, 0.4641, 0.2330
Android (android.graphics.Color)	4294049933 (0xFFFF2008D)
YUV	88.4320, 25.9160, 134.6791
Hunter-Lab	45.6073, 82.3208, -3.2152

# Details

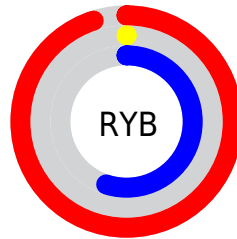
The XYZ color **41.4257, 20.8003, 27.0308** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark saturated rose. A complement of this color would be **34.1044, 64.4453, 22.9673**, and the grayscale version is **9.3066, 9.7913, 10.6627**.

A 20% lighter version of the original color is **55.3650, 33.7495, 55.2260**, and **20.7107, 10.4586, 10.8247** is the 20% darker color. If you saturate the color by 10%, you get **41.4240, 20.7997, 27.0222**, and if you desaturate by 10%, it is **42.5441, 21.7787, 31.2832**.

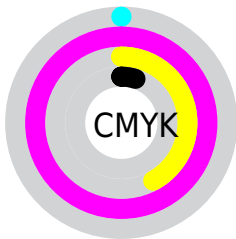
# Distribution



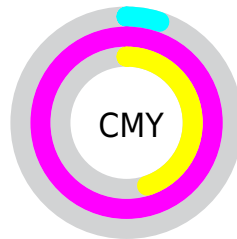
- Red (95%)
- Green (0%)
- Blue (55%)



- Red (95%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (5%)




- Cyan (5%)
- Magenta (100%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4257, 20.8003, 27.0308 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 41.4257, 20.8003, 27.0308 by changing the saturation by 10% instead.




 41.4257, 20.8003,  
27.0308


 41.4257, 20.8003,  
27.0308


343.1290,  
256.2153, 301.5711


 28.8410, 12.9781,  
17.3637


 76.6003, 44.7549,  
55.9376

 19.1043, 7.4135,  
10.3295


 99.9210, 61.6562,  
76.0144


 11.8501, 3.7220,  
5.5095


 127.5510, 82.3526,  
100.3983

 6.7132, 1.5193,  
2.4853

 159.8557,  
107.2285, 129.5076

 3.3281, 0.3023,  
0.8323

 197.2005,  
136.6683, 163.7610

 1.3295, 0.0000,  
0.0000

 239.9508,

 0.2052, 0.0000,

171.0564, 203.5770

0.0000

288.4718,  
210.7773, 249.3742

■ 0.0000, 0.0000,  
0.0000

■ 41.4257, 20.8003,  
27.0308

■ 41.4257, 20.8003,  
27.0308

■ 41.4240, 20.7997,  
27.0222

■ 42.5441, 21.7787,  
31.2832

■ 44.1447, 23.6089,  
36.0432

■ 46.3578, 26.5489,  
41.3628

■ 49.2617, 30.7526,  
47.2760

■ 52.9222, 36.3491,  
53.8125

■ 57.3971, 43.4516,  
60.9993

■ 62.7383, 52.1613,  
68.8610

■ 68.9931, 62.5709,  
77.4204

■ 76.2055, 74.7657,  
86.6992

# Harmonies

## Analogous

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



36.7918, 20.8003, 62.4331



41.4257, 20.8003, 27.0308



39.0154, 20.8003, 7.8704

# Triad

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



41.4257, 20.8003, 27.0308



13.5290, 20.8003, 1.0940



11.6818, 20.8003, 88.4961

# Complementary

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



41.4257, 20.8003, 27.0308



34.1044, 64.4453, 22.9673

# 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.



8.1971, 20.8003, 49.4076



41.4257, 20.8003, 27.0308



9.0248, 20.8003, 4.8395

# Square

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



41.4257, 20.8003, 27.0308



21.2464, 20.8003, 0.5643



7.3903, 20.8003, 18.7666



18.3637, 20.8003, 111.0922



# Rectangle

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



41.4257, 20.8003, 27.0308



34.0228, 20.8003, 2.8910



7.3903, 20.8003, 18.7666



10.1846, 20.8003, 75.9023

# Sweetspot

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



41.4263, 20.8015, 27.0311



70.5882, 58.6314, 77.4548



21.3793, 9.1709, 84.6478



14.5391, 11.6149, 15.7578



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.



41.4263, 20.8015, 27.0311



46.6290, 23.4156, 30.3083



36.7467, 18.9297, 2.3890



16.1590, 15.9133, 18.3934



22.3230, 11.2016, 14.8836



1.9066, 0.9517, 1.4988



# Inverse Universe

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



41.4263, 20.8015, 27.0311



46.6290, 23.4156, 30.3083



44.9159, 68.7699, 79.8999



16.1590, 15.9133, 18.3934



22.3230, 11.2016, 14.8836



1.9066, 0.9517, 1.4988



# Previews

## White Background



This preview shows how the XYZ color 41.4257, 20.8003, 27.0308 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

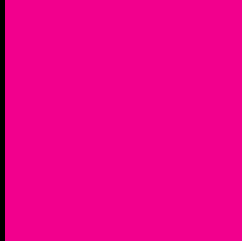
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.4257, 20.8003, 27.0308 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 41.4257, 20.8003, 27.0308**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4257, 20.8003, 27.0308.



This preview shows how white text looks on a background with the XYZ color 41.4257, 20.8003,



# 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

41.4257, 20.8003, 27.0308

### Protanopia

23.1501, 21.5757, 59.4443

### Deuteranopia

21.6609, 21.2079, 24.4246



## Tritanopia

37.0777, 21.1283, 5.9948

# Trichromacy



## Original Color

41.4257, 20.8003, 27.0308



## Protanomaly

23.6846, 15.5166, 44.9267



## Deuteranomaly

25.0021, 16.4282, 24.7749



## Tritanomaly

37.9889, 20.3171, 11.1519

# Monochromacy



## Original Color

41.4257, 20.8003, 27.0308



## Achromatopsia

9.2757, 9.7587, 10.6273



## Achromatomaly

15.5696, 9.8192, 14.9846

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4257, 20.8003, 27.0308 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(242, 0, 141)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 141)  
}
```

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(242, 0, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4257, 20.8003, 27.0308 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(242, 0, 141) }
```



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

```
.border{ border-color:rgb(242, 0, 141) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 141);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4257, 20.8003, 27.0308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 141) }
```

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

```
.background{ background-color: rgb(242, 0,  
141) }
```

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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