

# Converting Colors

XYZ(40.1272, 20.0912, 28.7668)

Have a look what the booklet for  
XYZ(40.1272, 20.0912, 28.7668)  
contains.

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# Color

**XYZ(40.1134, 20.0798,  
28.9557)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED0092
RGB	237, 0, 146
RGB Percent	93%, 0%, 57%
CMY	0.0706, 0.9998, 0.4274
CMYK	0.00, 1.00, 0.38, 0.07
HSL	323°, 100%, 46%
HSV	323°, 100%, 93%
XYZ	40.1134, 20.0798, 28.9557
YIQ	87.5070, 94.3860, 95.6500

# Conversions

## Conversions Part 2

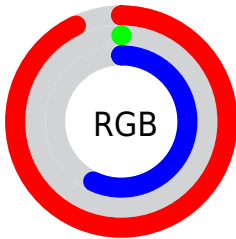
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 0, 146
Decimal	15532178
CIE <sub>Lab</sub>	51.93, 82.26, -11.50
CIE <sub>LCh</sub>	52, 83.058, 352.043
Yxy	20.0798, 0.4500, 0.2252
Android (android.graphics.Color)	4293722258 (0xFFED0092)
YUV	87.5070, 28.8370, 131.1054
Hunter-Lab	44.8105, 81.3711, -6.9447

# Details

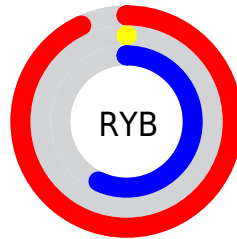
The XYZ color **40.1134, 20.0798, 28.9557** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **32.1753, 61.3250, 20.0496**, and the grayscale version is **9.0997, 9.5736, 10.4256**.

A 20% lighter version of the original color is **55.9400, 33.9795, 58.2539**, and **19.7905, 9.9585, 11.9454** is the 20% darker color. If you saturate the color by 10%, you get **40.1120, 20.0793, 28.9482**, and if you desaturate by 10%, it is **41.1716, 21.0175, 32.9421**.

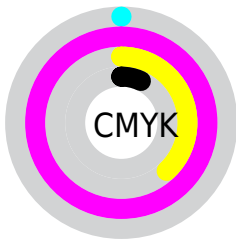
# Distribution



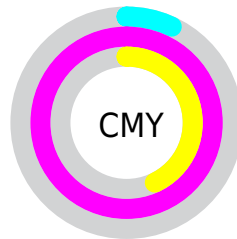
- Red (93%)
- Green (0%)
- Blue (57%)



- Red (93%)
- Yellow (0%)
- Blue (57%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1134, 20.0798, 28.9557 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 40.1134, 20.0798, 28.9557 by changing the saturation by 10% instead.




 40.1134, 20.0798,  
28.9557


 40.1134, 20.0798,  
28.9557


337.7275,  
252.3468, 311.0603


 27.8116, 12.4531,  
18.8020


 74.6194, 43.5509,  
59.0480


 18.3234, 7.0530,  
11.3519


 97.5543, 60.1641,  
79.8238


 11.2835, 3.4953,  
6.1869


 124.7643, 80.5416,  
104.9773

 6.3266, 1.3954,  
2.8885

 156.6146,  
105.0677, 134.9271

 3.0872, 0.2134,  
1.0380

 193.4708,  
134.1269, 170.0918

 1.2000, 0.0000,  
0.0000

 235.6981,

 0.1064, 0.0000,

168.1035, 210.8898

0.0000

283.6619,  
207.3820, 257.7398

■ 0.0000, 0.0000,  
0.0000

■ 40.1134, 20.0798,  
28.9557

■ 40.1134, 20.0798,  
28.9557

■ 40.1120, 20.0793,  
28.9482

■ 41.1716, 21.0175,  
32.9421

■ 42.6790, 22.7614,  
37.3626

■ 44.7603, 25.5590,  
42.2648

■ 47.4894, 29.5560,  
47.6791

■ 50.9285, 34.8751,  
53.6321

■ 55.1321, 41.6235,  
60.1474

■ 60.1492, 49.8973,  
67.2466

■ 66.0245, 59.7843,  
74.9500

■ 72.7993, 71.3656,  
83.2764

# Harmonies

## Analogous

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



34.9697, 20.0798, 64.7690



40.1134, 20.0798, 28.9557



38.4456, 20.0798, 8.6402

# Triad

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



40.1134, 20.0798, 28.9557



13.6155, 20.0798, 0.8770



10.7369, 20.0798, 82.8716

# Complementary

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



40.1134, 20.0798, 28.9557



32.1753, 61.3250, 20.0496

# 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.



7.6420, 20.0798, 44.3797



40.1134, 20.0798, 28.9557



8.9297, 20.0798, 3.9182

# Square

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



40.1134, 20.0798, 28.9557



21.4231, 20.0798, 0.5084



7.0955, 20.0798, 16.0356



16.9240, 20.0798, 107.8639



# Rectangle

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



40.1134, 20.0798, 28.9557



33.8669, 20.0798, 3.1649



7.0955, 20.0798, 16.0356



9.3858, 20.0798, 70.1518

# Sweetspot

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



40.1140, 20.0810, 28.9560



70.9355, 58.7703, 79.2839



19.5892, 8.3336, 80.6970



14.6218, 11.6480, 16.1931



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.



40.1140, 20.0810, 28.9560



47.3317, 23.6967, 34.0083



35.1316, 18.0880, 2.7191



15.4554, 15.2100, 17.6836



21.9657, 10.9890, 16.1525



1.7716, 0.8816, 1.5145



# Inverse Universe

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



40.1140, 20.0810, 28.9560



47.3317, 23.6967, 34.0083



41.8376, 65.1899, 70.9307



15.4554, 15.2100, 17.6836



21.9657, 10.9890, 16.1525



1.7716, 0.8816, 1.5145



# Previews

## White Background



This preview shows how the XYZ color 40.1134, 20.0798, 28.9557 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

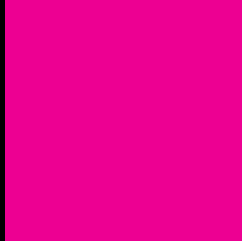
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.1134, 20.0798, 28.9557 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 40.1134, 20.0798, 28.9557**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.1134, 20.0798, 28.9557.



This preview shows how white text looks on a background with the XYZ color 40.1134, 20.0798,



# 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

40.1134, 20.0798, 28.9557

### Protanopia

22.8080, 20.9430, 63.1619

### Deuteranopia

21.0763, 20.6832, 26.1740



## Tritanopia

35.6074, 20.5082, 6.3567

# Trichromacy



## Original Color

40.1134, 20.0798, 28.9557



## Protanomaly

22.9150, 14.8336, 48.1098



## Deuteranomaly

24.2526, 16.0002, 26.6210



## Tritanomaly

36.4816, 19.5709, 11.7523

# Monochromacy



## Original Color

40.1134, 20.0798, 28.9557



## Achromatopsia

9.2757, 9.7587, 10.6273



## Achromatomaly

15.3298, 9.6833, 15.5291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1134, 20.0798, 28.9557 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(237, 0, 146)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 146)  
}
```

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(237, 0, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1134, 20.0798, 28.9557 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(237, 0, 146) }
```



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

```
.border{ border-color:rgb(237, 0, 146) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 146);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1134, 20.0798, 28.9557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 146) }
```

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

```
.background{ background-color: rgb(237, 0,  
146) }
```

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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