

Converting Colors

XYZ(40.6439, 20.3257, 30.2312)

Have a look what the booklet for
XYZ(40.6439, 20.3257, 30.2312)
contains.

XYZ(40.6847, 20.3471, 30.2168)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.6847, 20.3471,
30.2168)**

Conversions

Conversions Part 1

Format	Color
Hex	EE0095
RGB	238, 0, 149
RGB Percent	93%, 0%, 58%
CMY	0.0667, 0.9998, 0.4157
CMYK	0.00, 1.00, 0.37, 0.07
HSL	322°, 100%, 47%
HSV	322°, 100%, 93%
XYZ	40.6847, 20.3471, 30.2168
YIQ	88.1480, 94.0190, 96.7950

Conversions

Conversions Part 2

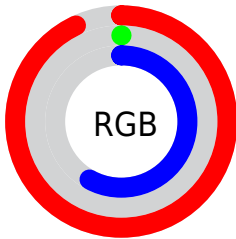
Format	Color
R _Y B	238, 0, 149
Decimal	15597717
CIE _{Lab}	52.23, 82.74, -12.82
CIE _{LCh}	52, 83.724, 351.191
Yxy	20.3471, 0.4459, 0.2230
Android (android.graphics.Color)	4293787797 (0xFFEE0095)
YUV	88.1480, 30.0000, 131.4202
Hunter-Lab	45.1078, 82.0585, -8.1418

Details

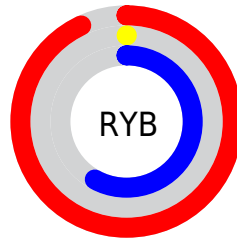
The XYZ color **40.6847, 20.3471, 30.2168** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **32.3807, 61.8716, 19.6991**, and the grayscale version is **9.2370, 9.7181, 10.5830**.

A 20% lighter version of the original color is **56.2942, 34.1212, 60.1189**, and **20.1091, 10.1119, 12.4472** is the 20% darker color. If you saturate the color by 10%, you get **40.6830, 20.3464, 30.2082**, and if you desaturate by 10%, it is **41.7467, 21.2897, 34.2127**.

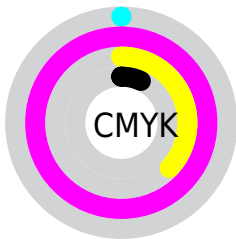
Distribution



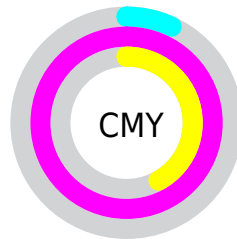
- Red (93%)
- Green (0%)
- Blue (58%)



- Red (93%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6847, 20.3471, 30.2168 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 40.6847, 20.3471, 30.2168 by changing the saturation by 10% instead.

 40.6847, 20.3471,
30.2168


 40.6847, 20.3471,
30.2168

340.0862,
253.7880, 317.1524

 28.2594, 12.6476,
19.7498


 75.4828, 43.9984,
61.0699


 18.6627, 7.1863,
12.0310


 98.5862, 60.7189,
82.2931


 11.5294, 3.5789,
6.6420


 125.9798, 81.2153,
107.9387

 6.4940, 1.4409,
3.1642

 158.0287,
105.8718, 138.4253

 3.1912, 0.2466,
1.1791

 195.0985,
135.0730, 174.1714

 1.2557, 0.0000,
0.0000

 237.5545,

 0.1497, 0.0000,

169.2032, 215.5956

0.0000

285.7619,
208.6467, 263.1164

■ 0.0000, 0.0000,
0.0000

■ 40.6847, 20.3471,
30.2168

■ 40.6847, 20.3471,
30.2168

■ 40.6830, 20.3464,
30.2082

■ 41.7467, 21.2897,
34.2127

■ 43.2597, 23.0457,
38.6327

■ 45.3496, 25.8647,
43.5243

■ 48.0908, 29.8939,
48.9179

■ 51.5460, 35.2570,
54.8397

■ 55.7702, 42.0625,
61.3130

■ 60.8129, 50.4074,
68.3594

■ 66.7191, 60.3804,
75.9987

■ 73.5305, 72.0634,
84.2497

Harmonies

Analogous

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



35.2769, 20.3471, 66.9920



40.6847, 20.3471, 30.2168



39.1895, 20.3471, 9.0769

Triad

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



40.6847, 20.3471, 30.2168



13.9619, 20.3471, 0.8379



10.7246, 20.3471, 83.2400

Complementary

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



40.6847, 20.3471, 30.2168



32.3807, 61.8716, 19.6991

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.



7.6651, 20.3471, 44.0311



40.6847, 20.3471, 30.2168



9.1125, 20.3471, 3.7657

Square

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



40.6847, 20.3471, 30.2168



21.9806, 20.3471, 0.5111



7.1782, 20.3471, 15.6714



16.9186, 20.3471, 109.4885

Rectangle

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



40.6847, 20.3471, 30.2168



34.6220, 20.3471, 3.3220



7.1782, 20.3471, 15.6714



9.3824, 20.3471, 70.1925

Sweetspot

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



40.6853, 20.3483, 30.2171



71.0406, 58.8124, 79.8374



19.3919, 8.2150, 81.4524



14.6468, 11.6580, 16.3250



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.



40.6853, 20.3483, 30.2171



47.5520, 23.7848, 35.1688



35.5182, 18.2814, 3.0076



16.1890, 15.9253, 18.5513



22.7618, 11.3771, 17.1940



1.9416, 0.9657, 1.6833

Inverse Universe

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



40.6853, 20.3483, 30.2171



47.5520, 23.7848, 35.1688



41.7491, 65.6189, 69.0325



16.1890, 15.9253, 18.5513



22.7618, 11.3771, 17.1940



1.9416, 0.9657, 1.6833

Previews

White Background



This preview shows how the XYZ color 40.6847, 20.3471, 30.2168 looks on a white background.

Color Contrast Check

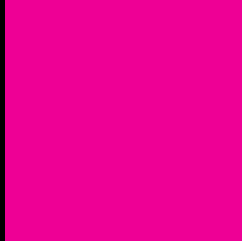
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.6847, 20.3471, 30.2168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

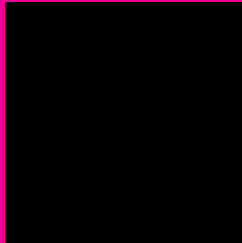
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.6847, 20.3471, 30.2168

Background



This preview shows how black text looks on a background with the XYZ color 40.6847, 20.3471, 30.2168.



This preview shows how white text looks on a background with the XYZ color 40.6847, 20.3471,

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

40.6847, 20.3471, 30.2168

Protanopia

23.1177, 21.0447, 65.7944

Deuteranopia

21.4160, 21.0165, 27.3539



Tritanopia

36.0105, 20.7885, 6.5295

Trichromacy



Original Color

40.6847, 20.3471, 30.2168



Protanomaly

23.3463, 15.0061, 50.3812



Deuteranomaly

24.4769, 16.0899, 27.8022



Tritanomaly

36.9298, 19.8387, 12.2388

Monochromacy



Original Color

40.6847, 20.3471, 30.2168



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.5563, 9.7938, 15.8223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6847, 20.3471, 30.2168 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(238, 0, 149)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 149)  
}
```

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(238, 0, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 149) }
```

Border

The CSS property to change the border of an element to XYZ 40.6847, 20.3471, 30.2168 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(238, 0, 149) }
```


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

```
.border{ border-color:rgb(238, 0, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 0, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 149);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6847, 20.3471, 30.2168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 149) }
```

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

```
.background{ background-color: rgb(238, 0,  
149) }
```

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