

Converting Colors

XYZ(40.7350, 20.3343, 31.9679)

Have a look what the booklet for
XYZ(40.7350, 20.3343, 31.9679)
contains.

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Color

**XYZ(40.6748, 20.3044,
31.9123)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0099
RGB	237, 0, 153
RGB Percent	93%, 0%, 60%
CMY	0.0706, 0.9998, 0.4000
CMYK	0.00, 1.00, 0.35, 0.07
HSL	321°, 100%, 46%
HSV	321°, 100%, 93%
XYZ	40.6748, 20.3044, 31.9123
YIQ	88.3050, 92.1390, 97.8270

Conversions

Conversions Part 2

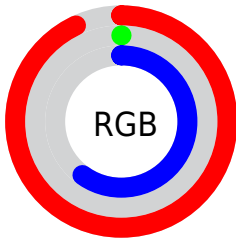
Format	Color
R _Y B	237, 0, 153
Decimal	15532185
CIE Lab	52.18, 82.91, -15.30
CIE LCh	52, 84.312, 349.545
Yxy	20.3044, 0.4379, 0.2186
Android (android.graphics.Color)	4293722265 (0xFFED0099)
YUV	88.3050, 31.8946, 130.4055
Hunter-Lab	45.0604, 82.2714, -10.4476

Details

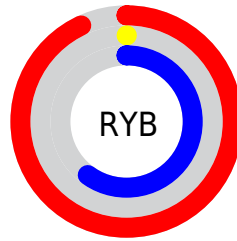
The XYZ color **40.6748, 20.3044, 31.9123** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **31.8870, 61.2096, 18.5319**, and the grayscale version is **9.2669, 9.7496, 10.6173**.

A 20% lighter version of the original color is **56.7772, 34.3144, 62.6623**, and **20.0775, 10.0733, 13.4565** is the 20% darker color. If you saturate the color by 10%, you get **40.6734, 20.3039, 31.9046**, and if you desaturate by 10%, it is **41.7151, 21.2350, 35.8045**.

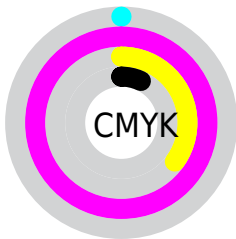
Distribution



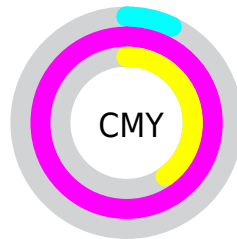
- Red (93%)
- Green (0%)
- Blue (60%)



- Red (93%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6748, 20.3044, 31.9123 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 40.6748, 20.3044, 31.9123 by changing the saturation by 10% instead.

 40.6748, 20.3044,
31.9123


 40.6748, 20.3044,
31.9123


340.0455,
253.5583, 325.2000

 28.2516, 12.6165,
21.0303


 75.4678, 43.9269,
63.7699


 18.6568, 7.1650,
12.9547


 98.5684, 60.6304,
85.5825


 11.5251, 3.5655,
7.2670


 125.9587, 81.1078,
111.8757

 6.4911, 1.4336,
3.5487

 158.0043,
105.7436, 143.0681

 3.1894, 0.2413,
1.3812

 195.0704,
134.9221, 179.5782

 1.2547, 0.0000,
0.1270

 237.5224,

 0.1489, 0.0000,

169.0278, 221.8245

0.0000

285.7256,
208.4451, 270.2256

■ 0.0000, 0.0000,
0.0000

■ 40.6748, 20.3044,
31.9123

■ 40.6748, 20.3044,
31.9123

■ 40.6734, 20.3039,
31.9046

■ 41.7151, 21.2350,
35.8045

■ 43.1968, 22.9686,
40.0896

■ 45.2445, 25.7528,
44.8139

■ 47.9315, 29.7331,
50.0064

■ 51.3199, 35.0320,
55.6922

■ 55.4640, 41.7567,
61.8936

■ 60.4124, 50.0031,
68.6310

■ 66.2097, 59.8590,
75.9235

■ 72.8970, 71.4054,
83.7887

Harmonies

Analogous

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



34.8975, 20.3044, 69.5661



40.6748, 20.3044, 31.9123



39.5650, 20.3044, 9.7068

Triad

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



40.6748, 20.3044, 31.9123



14.2581, 20.3044, 0.7349



10.4031, 20.3044, 81.6532

Complementary

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



40.6748, 20.3044, 31.9123



31.8870, 61.2096, 18.5319

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.



7.4964, 20.3044, 42.1467



40.6748, 20.3044, 31.9123



9.2182, 20.3044, 3.3783

Square

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



40.6748, 20.3044, 31.9123



22.4724, 20.3044, 0.4931



7.1395, 20.3044, 14.5507



16.4388, 20.3044, 109.6410

Rectangle

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



40.6748, 20.3044, 31.9123



35.1497, 20.3044, 3.5464



7.1395, 20.3044, 14.5507



9.1150, 20.3044, 68.3311

Sweetspot

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



40.6754, 20.3056, 31.9126



71.2470, 58.8949, 80.9245



18.8524, 7.9538, 80.6624



14.6961, 11.6777, 16.5843



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.



40.6754, 20.3056, 31.9126



47.9953, 23.9621, 37.5028



35.2379, 18.1305, 3.2790



15.4749, 15.2178, 17.7863



22.2708, 11.1110, 17.7594



1.7943, 0.8907, 1.6339

Inverse Universe

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



40.6754, 20.3056, 31.9126



47.9953, 23.9621, 37.5028



40.8814, 64.8073, 65.8954



15.4749, 15.2178, 17.7863



22.2708, 11.1110, 17.7594



1.7943, 0.8907, 1.6339

Previews

White Background



This preview shows how the XYZ color 40.6748, 20.3044, 31.9123 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 40.6748, 20.3044, 31.9123 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 40.6748, 20.3044, 31.9123

Background



This preview shows how black text looks on a background with the XYZ color 40.6748, 20.3044, 31.9123.



This preview shows how white text looks on a background with the XYZ color 40.6748, 20.3044,

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

40.6748, 20.3044, 31.9123

Protanopia

23.4364, 21.1194, 69.8591

Deuteranopia

21.3255, 20.9442, 28.5098



Tritanopia

35.4681, 20.5795, 6.8055

Trichromacy



Original Color

40.6748, 20.3044, 31.9123



Protanomaly

23.2222, 14.8779, 53.2775



Deuteranomaly

24.4903, 16.0701, 29.0052



Tritanomaly

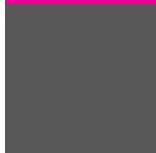
36.4087, 19.5544, 12.9218

Monochromacy



Original Color

40.6748, 20.3044, 31.9123



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.4941, 9.7490, 16.3943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6748, 20.3044, 31.9123 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 153) }
```

Border

The CSS property to change the border of an element to XYZ 40.6748, 20.3044, 31.9123 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, 153) }
```


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

```
.border{ border-color:rgb(237, 0, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6748, 20.3044, 31.9123 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, 153) }
```

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

```
.background{ background-color: rgb(237, 0,  
153) }
```

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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