

Converting Colors

XYZ(40.9108, 20.2105, 41.6625)

Have a look what the booklet for
XYZ(40.9108, 20.2105, 41.6625)
contains.

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Color

**XYZ(40.9187, 20.2118,
41.7890)**

Conversions

Conversions Part 1

Format	Color
Hex	E800AE
RGB	232, 0, 174
RGB Percent	91%, 0%, 68%
CMY	0.0902, 0.9998, 0.3176
CMYK	0.00, 1.00, 0.25, 0.09
HSL	315°, 100%, 45%
HSV	315°, 100%, 91%
XYZ	40.9187, 20.2118, 41.7890
YIQ	89.2040, 82.4180, 103.2980

Conversions

Conversions Part 2

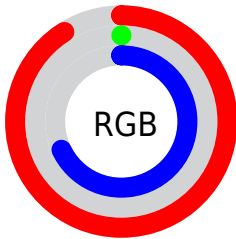
Format	Color
RYB	232, 0, 174
Decimal	15204526
CIELab	52.08, 84.11, -27.97
CIELCh	52, 88.640, 341.605
Yxy	20.2118, 0.3976, 0.1964
Android (android.graphics.Color)	4293394606 (0xFFE800AE)
YUV	89.2040, 41.8044, 125.2321
Hunter-Lab	44.9575, 83.7885, -23.6411

Details

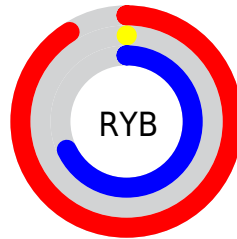
The XYZ color **40.9187, 20.2118, 41.7890** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **29.6222, 58.0197, 13.6469**, and the grayscale version is **9.4440, 9.9359, 10.8202**.

A 20% lighter version of the original color is **59.7976, 35.5226, 78.5678**, and **20.2458, 10.0384, 18.9597** is the 20% darker color. If you saturate the color by 10%, you get **40.9177, 20.2114, 41.7832**, and if you desaturate by 10%, it is **41.8082, 21.0657, 44.9366**.

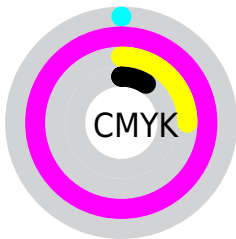
Distribution



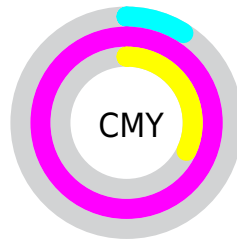
- Red (91%)
- Green (0%)
- Blue (68%)



- Red (91%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9187, 20.2118, 41.7890 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 40.9187, 20.2118, 41.7890 by changing the saturation by 10% instead.


 40.9187, 20.2118,
41.7890

 40.9187, 20.2118,
41.7890


341.0491,
253.0594, 369.3813


 28.4430, 12.5491,
28.6118


 75.8359, 43.7720,
79.1468


 18.8020, 7.1188,
18.5443


 99.0082, 60.4383,
104.1645


 11.6304, 3.5365,
11.1680


 126.4766, 80.8745,
133.9661

 6.5630, 1.4178,
6.0643

 158.6065,
105.4652, 168.9701

 3.2342, 0.2298,
2.8148

 195.7634,
134.5946, 209.5951

 1.2788, 0.0000,
1.0009

 238.3126,

 0.1673, 0.0000,

168.6472, 256.2596

0.0000

286.6194,
208.0073, 309.3822

■ 0.0000, 0.0000,
0.0000

■ 40.9187, 20.2118,
41.7890

■ 40.9187, 20.2118,
41.7890

■ 40.9177, 20.2114,
41.7832

■ 41.8082, 21.0657,
44.9366

■ 43.0941, 22.6732,
48.3383

■ 44.8955, 25.2715,
52.0352

■ 47.2813, 28.9983,
56.0518

■ 50.3099, 33.9695,
60.4089

■ 54.0320, 40.2866,
65.1249

■ 58.4935, 48.0404,
70.2163

■ 63.7360, 57.3141,
75.6985

■ 69.7982, 68.1842,
81.5854

Harmonies

Analogous

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



33.2443, 20.2118, 84.3058



40.9187, 20.2118, 41.7890



41.8086, 20.2118, 13.4238

Triad

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



40.9187, 20.2118, 41.7890



15.9170, 20.2118, 0.2068



8.9119, 20.2118, 74.4900

Complementary

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



40.9187, 20.2118, 41.7890



29.6222, 58.0197, 13.6469

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.



6.7055, 20.2118, 33.6381



40.9187, 20.2118, 41.7890



9.8145, 20.2118, 1.8152

Square

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



40.9187, 20.2118, 41.7890



25.2450, 20.2118, 0.3968



6.9736, 20.2118, 9.7249



14.2239, 20.2118, 111.3233

Rectangle

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



40.9187, 20.2118, 41.7890



38.1801, 20.2118, 4.8547



6.9736, 20.2118, 9.7249



7.8709, 20.2118, 59.8425

Sweetspot

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



40.9194, 20.2129, 41.7893



72.3817, 59.3488, 86.8993



16.3130, 6.7278, 76.7831



14.9680, 11.7864, 18.0160



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.



40.9194, 20.2129, 41.7893



50.6701, 25.0320, 51.5883



34.0440, 17.4627, 5.5840



14.8330, 14.5504, 17.3211



22.7688, 11.2417, 23.4751



1.7191, 0.8454, 1.9273

Inverse Universe

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



40.9194, 20.2129, 41.7893



50.6701, 25.0320, 51.5883



36.4985, 60.7702, 49.8567



14.8330, 14.5504, 17.3211



22.7688, 11.2417, 23.4751



1.7191, 0.8454, 1.9273

Previews

White Background



This preview shows how the XYZ color 40.9187, 20.2118, 41.7890 looks on a white background.

Color Contrast Check

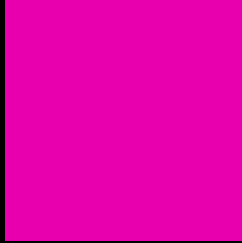
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.9187, 20.2118, 41.7890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

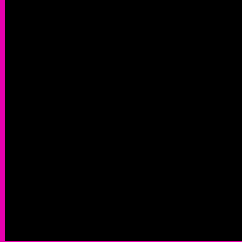
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.9187, 20.2118, 41.7890

Background



This preview shows how black text looks on a background with the XYZ color 40.9187, 20.2118, 41.7890.



This preview shows how white text looks on a background with the XYZ color 40.9187, 20.2118,

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

40.9187, 20.2118, 41.7890

Protanopia

24.9670, 21.2628, 90.7839

Deuteranopia

21.2897, 20.9112, 37.5645



Tritanopia

34.0383, 20.5714, 8.3076

Trichromacy



Original Color

40.9187, 20.2118, 41.7890



Protanomaly

22.7129, 14.2609, 69.2657



Deuteranomaly

24.0691, 15.7529, 38.3313



Tritanomaly

35.3396, 19.2364, 16.3184

Monochromacy



Original Color

40.9187, 20.2118, 41.7890



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.8378, 9.9450, 18.8541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9187, 20.2118, 41.7890 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(232, 0, 174)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 174)  
}
```

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(232, 0, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 174) }
```

Border

The CSS property to change the border of an element to XYZ 40.9187, 20.2118, 41.7890 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(232, 0, 174) }
```


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

```
.border{ border-color:rgb(232, 0, 174) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9187, 20.2118, 41.7890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 174) }
```

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

```
.background{ background-color: rgb(232, 0,  
174) }
```

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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