

Converting Colors

XYZ(41.1549, 20.5022, 34.1788)

Have a look what the booklet for
XYZ(41.1549, 20.5022, 34.1788)
contains.

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Color

**XYZ(41.0966, 20.4731,
34.1334)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | ED009E |
| RGB | 237, 0, 158 |
| RGB Percent | 93%, 0%, 62% |
| CMY | 0.0706, 0.9998, 0.3804 |
| CMYK | 0.00, 1.00, 0.33, 0.07 |
| HSL | 320°, 100%, 46% |
| HSV | 320°, 100%, 93% |
| XYZ | 41.0966, 20.4731, 34.1334 |
| YIQ | 88.8750, 90.5340, 99.3820 |

Conversions

Conversions Part 2

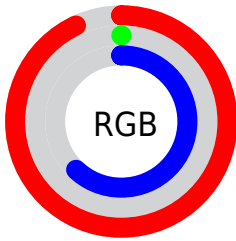
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 237, 0, 158 |
| Decimal | 15532190 |
| CIE _{Lab} | 52.37, 83.40, -17.99 |
| CIE _{LCh} | 52, 85.316, 347.829 |
| Yxy | 20.4731, 0.4294, 0.2139 |
| Android (android.graphics.Color) | 4293722270 (0xFFED009E) |
| YUV | 88.8750, 34.0786, 129.9056 |
| Hunter-Lab | 45.2472, 82.9432, -13.0539 |

Details

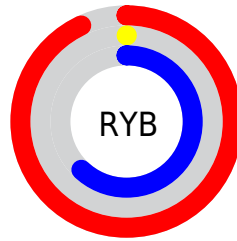
The XYZ color **41.0966, 20.4731, 34.1334** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **31.6979, 61.1340, 17.5358**, and the grayscale version is **9.3871, 9.8760, 10.7549**.

A 20% lighter version of the original color is **57.5249, 34.6135, 66.6000**, and **20.3330, 10.1755, 14.8023** is the 20% darker color. If you saturate the color by 10%, you get **41.0953, 20.4726, 34.1262**, and if you desaturate by 10%, it is **42.1205, 21.3971, 37.9393**.

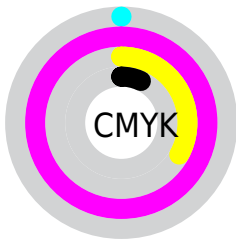
Distribution



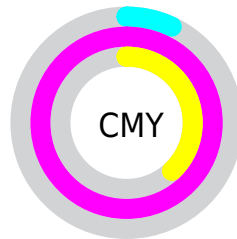
- Red (93%)
- Green (0%)
- Blue (62%)



- Red (93%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0966, 20.4731, 34.1334 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 41.0966, 20.4731, 34.1334 by changing the saturation by 10% instead.

 41.0966, 20.4731,
34.1334


 41.0966, 20.4731,
34.1334

341.7799,
254.4649, 335.5138


 28.5826, 12.7394,
22.7179


 76.1043, 44.2090,
67.2773

 18.9080, 7.2493,
14.1820


 99.3287, 60.9799,
89.8428


 11.7074, 3.6185,
8.1072

 126.8539, 81.5321,
116.9621

 6.6155, 1.4625,
4.0748

 159.0453,
106.2499, 149.0537

 3.2670, 0.2621,
1.6665

 196.2682,
135.5176, 186.5361

 1.2965, 0.0000,
0.3376

 238.8881,

 0.1806, 0.0000,

169.7198, 229.8279

0.0000

287.2702,
209.2408, 279.3476

■ 0.0000, 0.0000,
0.0000

■ 41.0966, 20.4731,
34.1334

■ 41.0966, 20.4731,
34.1334

■ 41.0953, 20.4726,
34.1262

■ 42.1205, 21.3971,
37.9393

■ 43.5805, 23.1220,
42.1101

■ 45.6009, 25.8952,
46.6912

■ 48.2551, 29.8623,
51.7108

■ 51.6048, 35.1457,
57.1932

■ 55.7042, 41.8523,
63.1598

■ 60.6019, 50.0784,
69.6304

■ 66.3422, 59.9114,
76.6231

■ 72.9661, 71.4324,
84.1549

Harmonies

Analogous

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



34.8649, 20.4731, 73.1344



41.0966, 20.4731, 34.1334



40.3900, 20.4731, 10.5136

Triad

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



41.0966, 20.4731, 34.1334



14.7296, 20.4731, 0.6342



10.1751, 20.4731, 80.8490

Complementary

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



41.0966, 20.4731, 34.1334



31.6979, 61.1340, 17.5358

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.



7.3968, 20.4731, 40.6378



41.0966, 20.4731, 34.1334



9.4286, 20.4731, 3.0287

Square

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



41.0966, 20.4731, 34.1334



23.2443, 20.4731, 0.4818



7.1725, 20.4731, 13.5647



16.1088, 20.4731, 110.9770

Rectangle

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



41.0966, 20.4731, 34.1334



36.0935, 20.4731, 3.8337



7.1725, 20.4731, 13.5647



8.9298, 20.4731, 67.1042

Sweetspot

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



41.0972, 20.4742, 34.1337



71.4721, 58.9850, 82.1097



18.5138, 7.7792, 80.6467



14.7499, 11.6992, 16.8675



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.



41.0972, 20.4742, 34.1337



48.4941, 24.1616, 40.1293



35.3009, 18.1557, 3.6106



15.4889, 15.2234, 17.8600



22.4998, 11.2026, 18.9654



1.8111, 0.8974, 1.7226

Inverse Universe

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



41.0972, 20.4742, 34.1337



48.4941, 24.1616, 40.1293



40.4213, 64.6234, 63.4723



15.4889, 15.2234, 17.8600



22.4998, 11.2026, 18.9654



1.8111, 0.8974, 1.7226

Previews

White Background



This preview shows how the XYZ color 41.0966, 20.4731, 34.1334 looks on a white background.

Color Contrast Check

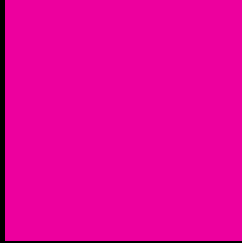
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.0966, 20.4731, 34.1334 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 41.0966, 20.4731, 34.1334

Background



This preview shows how black text looks on a background with the XYZ color 41.0966, 20.4731, 34.1334.



This preview shows how white text looks on a background with the XYZ color 41.0966, 20.4731,

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

41.0966, 20.4731, 34.1334

Protanopia

23.9523, 21.2766, 74.7959

Deuteranopia

21.4027, 20.9396, 30.5175



Tritanopia

35.6318, 20.8158, 7.1409

Trichromacy



Original Color

41.0966, 20.4731, 34.1334



Protanomaly

23.4203, 14.9001, 56.9000



Deuteranomaly

24.4588, 16.0080, 31.0789



Tritanomaly

36.5819, 19.6755, 13.6741

Monochromacy



Original Color

41.0966, 20.4731, 34.1334



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.8281, 9.9808, 17.0118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0966, 20.4731, 34.1334 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 158) }
```

Border

The CSS property to change the border of an element to XYZ 41.0966, 20.4731, 34.1334 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, 158) }
```


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

```
.border{ border-color:rgb(237, 0, 158) }
```

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, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0966, 20.4731, 34.1334 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, 158) }
```

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

```
.background{ background-color: rgb(237, 0,  
158) }
```

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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