

Converting Colors

XYZ(40.9950, 20.1492, 46.3965)

Have a look what the booklet for
XYZ(40.9950, 20.1492, 46.3965)
contains.

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Color

**XYZ(41.1804, 20.2419,
46.5364)**

Conversions

Conversions Part 1

Format	Color
Hex	E600B7
RGB	230, 0, 183
RGB Percent	90%, 0%, 72%
CMY	0.0980, 0.9998, 0.2824
CMYK	0.00, 1.00, 0.20, 0.10
HSL	312°, 100%, 45%
HSV	312°, 100%, 90%
XYZ	41.1804, 20.2419, 46.5364
YIQ	89.6320, 78.3370, 105.6730

Conversions

Conversions Part 2

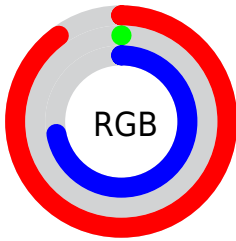
Format	Color
R_{YB}	230, 0, 183
Decimal	15073463
CIE _{Lab}	52.11, 84.77, -33.22
CIE _{LCh}	52, 91.046, 338.599
Yxy	20.2419, 0.3814, 0.1875
Android (android.graphics.Color)	4293263543 (0xFFE600B7)
YUV	89.6320, 46.0304, 123.1027
Hunter-Lab	44.9910, 84.6474, -29.8329

Details

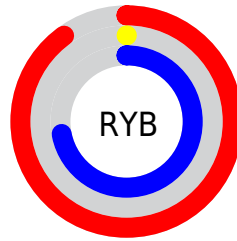
The XYZ color **41.1804, 20.2419, 46.5364** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **28.8115, 56.7999, 12.1389**, and the grayscale version is **9.5299, 10.0262, 10.9186**.

A 20% lighter version of the original color is **61.0947, 36.0414, 85.3980**, and **20.3915, 10.0467, 21.9836** is the 20% darker color. If you saturate the color by 10%, you get **41.1797, 20.2416, 46.5317**, and if you desaturate by 10%, it is **41.9855, 21.0556, 49.2596**.

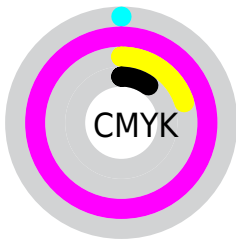
Distribution



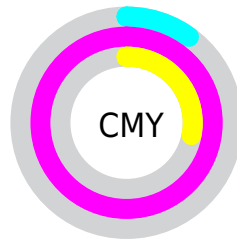
- Red (90%)
- Green (0%)
- Blue (72%)



- Red (90%)
- Yellow (0%)
- Blue (72%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.1804, 20.2419, 46.5364 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 41.1804, 20.2419, 46.5364 by changing the saturation by 10% instead.

 41.1804, 20.2419,
46.5364


 41.1804, 20.2419,
46.5364

342.1237,
253.2217, 389.3010


 28.6484, 12.5710,
32.3176


 76.2306, 43.8224,
86.3639


 18.9579, 7.1338,
21.3374


 99.4796, 60.5007,
112.8097


 11.7437, 3.5459,
13.1772


 127.0315, 80.9504,
144.1683

 6.6404, 1.4230,
7.4185

 159.2518,
105.5557, 180.8581

 3.2825, 0.2335,
3.6428

 196.5058,
134.7011, 223.2977

 1.3049, 0.0000,
1.4315

 239.1589,

 0.1869, 0.0000,

168.7710, 271.9057

0.1661

287.5764,
208.1497, 327.1007

■ 0.0000, 0.0000,
0.0000

■ 41.1804, 20.2419,
46.5364

■ 41.1804, 20.2419,
46.5364

■ 41.1797, 20.2416,
46.5317

■ 41.9855, 21.0556,
49.2596

■ 43.1711, 22.6041,
52.1908

■ 44.8540, 25.1207,
55.3700

■ 47.1018, 28.7400,
58.8204

■ 49.9711, 33.5754,
62.5616

■ 53.5119, 39.7262,
66.6110

■ 57.7686, 47.2813,
70.9841

■ 62.7820, 56.3220,
75.6952

■ 68.5897, 66.9233,
80.7576

Harmonies

Analogous

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



32.7066, 20.2419, 91.2837



41.1804, 20.2419, 46.5364



42.9199, 20.2419, 15.2290

Triad

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



41.1804, 20.2419, 46.5364



16.6850, 20.2419, 0.0000



8.3667, 20.2419, 71.9862

Complementary

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



41.1804, 20.2419, 46.5364



28.8115, 56.7999, 12.1389

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.



6.4130, 20.2419, 30.6282



41.1804, 20.2419, 46.5364



10.0934, 20.2419, 1.3487

Square

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



41.1804, 20.2419, 46.5364



26.5377, 20.2419, 0.3549



6.9225, 20.2419, 8.1273



13.4191, 20.2419, 112.5140

Rectangle

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



41.1804, 20.2419, 46.5364



39.6229, 20.2419, 5.4814



6.9225, 20.2419, 8.1273



7.4143, 20.2419, 56.8132

Sweetspot

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



41.1811, 20.2430, 46.5368



72.8940, 59.5537, 89.5970



15.4118, 6.2958, 75.2663



15.0913, 11.8358, 18.6657



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.



41.1811, 20.2430, 46.5368



52.0053, 25.5661, 58.6195



33.7089, 17.2541, 7.1890



14.8623, 14.5621, 17.4751



23.3588, 11.4777, 26.5821



1.7581, 0.8610, 2.1328

Inverse Universe

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



41.1811, 20.2430, 46.5368



52.0053, 25.5661, 58.6195



34.7318, 59.1680, 43.3145



14.8623, 14.5621, 17.4751



23.3588, 11.4777, 26.5821



1.7581, 0.8610, 2.1328

Previews

White Background



This preview shows how the XYZ color 41.1804, 20.2419, 46.5364 looks on a white background.

Color Contrast Check

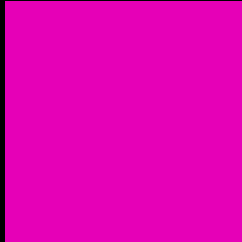
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.1804, 20.2419, 46.5364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

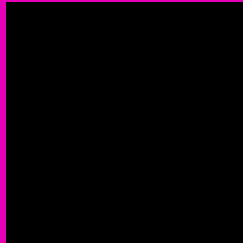
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.1804, 20.2419, 46.5364

Background



This preview shows how black text looks on a background with the XYZ color 41.1804, 20.2419, 46.5364.



This preview shows how white text looks on a background with the XYZ color 41.1804, 20.2419,

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

41.1804, 20.2419, 46.5364

Protanopia

25.3663, 21.1416, 97.3515

Deuteranopia

21.2404, 20.8003, 41.4234



Tritanopia

33.4407, 20.5287, 9.0374

Trichromacy



Original Color

41.1804, 20.2419, 46.5364



Protanomaly

22.1636, 13.7316, 75.6111



Deuteranomaly

24.0514, 15.6557, 42.3116



Tritanomaly

34.8120, 19.0391, 18.0598

Monochromacy



Original Color

41.1804, 20.2419, 46.5364



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.0857, 10.0442, 20.1597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1804, 20.2419, 46.5364 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(230, 0, 183)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 183)  
}
```

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(230, 0, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 183) }
```

Border

The CSS property to change the border of an element to XYZ 41.1804, 20.2419, 46.5364 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(230, 0, 183) }
```


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

```
.border{ border-color:rgb(230, 0, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 0, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 183);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1804, 20.2419, 46.5364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 183) }
```

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

```
.background{ background-color: rgb(230, 0,  
183) }
```

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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