

Converting Colors

XYZ(42.0019, 20.6469, 47.4081)

Have a look what the booklet for
XYZ(42.0019, 20.6469, 47.4081)
contains.

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Color

**XYZ(42.0357, 20.6586,
47.6709)**

Conversions

Conversions Part 1

Format	Color
Hex	E800B9
RGB	232, 0, 185
RGB Percent	91%, 0%, 73%
CMY	0.0902, 0.9998, 0.2745
CMYK	0.00, 1.00, 0.20, 0.09
HSL	312°, 100%, 45%
HSV	312°, 100%, 91%
XYZ	42.0357, 20.6586, 47.6709
YIQ	90.4580, 78.8870, 106.7190

Conversions

Conversions Part 2

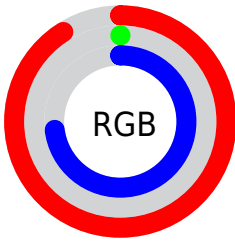
Format	Color
R_{YB}	232, 0, 185
Decimal	15204537
CIE _{Lab}	52.57, 85.37, -33.64
CIE _{LCh}	53, 91.756, 338.496
Yxy	20.6586, 0.3809, 0.1872
Android (android.graphics.Color)	4293394617 (0xFFE800B9)
YUV	90.4580, 46.6092, 124.1323
Hunter-Lab	45.4517, 85.5439, -30.3686

Details

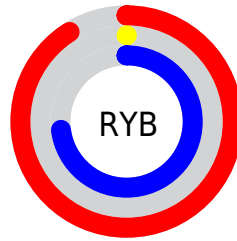
The XYZ color **42.0357, 20.6586, 47.6709** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **29.3714, 57.9195, 12.3256**, and the grayscale version is **9.7128, 10.2186, 11.1281**.

A 20% lighter version of the original color is **61.3919, 36.1603, 86.9630**, and **20.8913, 10.2966, 22.3591** is the 20% darker color. If you saturate the color by 10%, you get **42.0350, 20.6583, 47.6661**, and if you desaturate by 10%, it is **42.8519, 21.4831, 50.4323**.

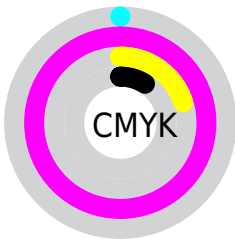
Distribution



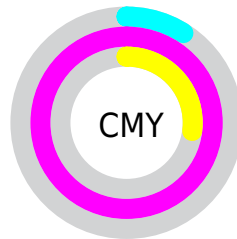
- Red (91%)
- Green (0%)
- Blue (73%)



- Red (91%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0357, 20.6586, 47.6709 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 42.0357, 20.6586, 47.6709 by changing the saturation by 10% instead.


 42.0357, 20.6586,
47.6709


 42.0357, 20.6586,
47.6709


345.6200,
255.4585, 393.9572


 29.3205, 12.8747,
33.2082


 77.5185, 44.5187,
88.0746


 19.4689, 7.3423,
22.0136


 101.0167, 61.3636,
114.8528

 12.1156, 3.6771,
13.6685


 128.8401, 81.9976,
146.5731

 6.8952, 1.4946,
7.7543

 161.3538,
106.8052, 183.6542

 3.4424, 0.2849,
3.8526

 198.9233,
136.1707, 226.5147

 1.3918, 0.0000,
1.5449

 241.9139,

 0.2504, 0.0000,

170.4785, 275.5729

0.2510

290.6911,
210.1130, 331.2476

■ 0.0000, 0.0000,
0.0000

■ 42.0357, 20.6586,
47.6709

■ 42.0357, 20.6586,
47.6709

■ 42.0350, 20.6583,
47.6661

■ 42.8519, 21.4831,
50.4323

■ 44.0562, 23.0580,
53.4047

■ 45.7677, 25.6203,
56.6286

■ 48.0553, 29.3077,
60.1278

■ 50.9769, 34.2360,
63.9222

■ 54.5835, 40.5068,
68.0297

■ 58.9205, 48.2108,
72.4660

■ 64.0296, 57.4310,
77.2457

■ 69.9493, 68.2441,
82.3824

Harmonies

Analogous

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



33.3588, 20.6586, 93.4191



42.0357, 20.6586, 47.6709



43.8421, 20.6586, 15.6100

Triad

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



42.0357, 20.6586, 47.6709



17.0559, 20.6586, 0.0000



8.5191, 20.6586, 73.3751

Complementary

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



42.0357, 20.6586, 47.6709



29.3714, 57.9195, 12.3256

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.



6.5342, 20.6586, 31.1515



42.0357, 20.6586, 47.6709



10.3107, 20.6586, 1.3611

Square

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



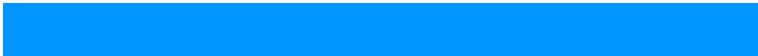
42.0357, 20.6586, 47.6709



27.1304, 20.6586, 0.3688



7.0628, 20.6586, 8.2396



13.6660, 20.6586, 114.8689

Rectangle

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



42.0357, 20.6586, 47.6709



40.4897, 20.6586, 5.6175



7.0628, 20.6586, 8.2396



7.5502, 20.6586, 57.8722

Sweetspot

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



42.0364, 20.6597, 47.6713



72.9139, 59.5617, 89.7020



15.7125, 6.4182, 76.7552



15.0962, 11.8377, 18.6910



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.



42.0364, 20.6597, 47.6713



52.0589, 25.5876, 58.9016



34.3733, 17.5944, 7.3179



14.8634, 14.5625, 17.4810



23.3824, 11.4872, 26.7066



1.7597, 0.8616, 2.1410

Inverse Universe

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



42.0364, 20.6597, 47.6713



52.0589, 25.5876, 58.9016



35.4158, 60.3373, 44.1553



14.8634, 14.5625, 17.4810



23.3824, 11.4872, 26.7066



1.7597, 0.8616, 2.1410

Previews

White Background



This preview shows how the XYZ color 42.0357, 20.6586, 47.6709 looks on a white background.

Color Contrast Check

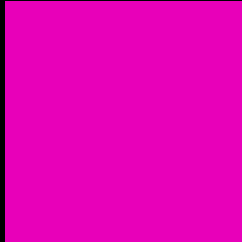
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0357, 20.6586, 47.6709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

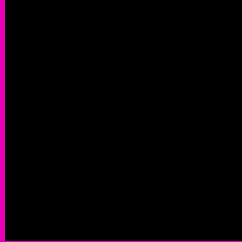
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.0357, 20.6586, 47.6709

Background



This preview shows how black text looks on a background with the XYZ color 42.0357, 20.6586, 47.6709.



This preview shows how white text looks on a background with the XYZ color 42.0357, 20.6586,

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

42.0357, 20.6586, 47.6709

Protanopia

25.8261, 21.7432, 97.4434

Deuteranopia

21.6865, 21.1951, 42.4832



Tritanopia

34.1535, 20.9889, 9.2723

Trichromacy



Original Color

42.0357, 20.6586, 47.6709



Protanomaly

23.0707, 14.2877, 76.4048



Deuteranomaly

24.5148, 15.9796, 43.3873



Tritanomaly

35.4934, 19.3837, 18.3937

Monochromacy



Original Color

42.0357, 20.6586, 47.6709



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.3201, 10.1577, 20.5025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0357, 20.6586, 47.6709 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 185) }
```

Border

The CSS property to change the border of an element to XYZ 42.0357, 20.6586, 47.6709 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, 185) }
```


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

```
.border{ border-color:rgb(232, 0, 185) }
```

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, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 185);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0357, 20.6586, 47.6709 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, 185) }
```

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

```
.background{ background-color: rgb(232, 0,  
185) }
```

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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