

Converting Colors

XYZ(41.5559, 20.5649, 40.7068)

Have a look what the booklet for
XYZ(41.5559, 20.5649, 40.7068)
contains.

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Color

**XYZ(41.7073, 20.6407,
40.8156)**

Conversions

Conversions Part 1

Format	Color
Hex	EB00AC
RGB	235, 0, 172
RGB Percent	92%, 0%, 67%
CMY	0.0784, 0.9998, 0.3255
CMYK	0.00, 1.00, 0.27, 0.08
HSL	316°, 100%, 46%
HSV	316°, 100%, 92%
XYZ	41.7073, 20.6407, 40.8156
YIQ	89.8730, 84.8480, 103.3120

Conversions

Conversions Part 2

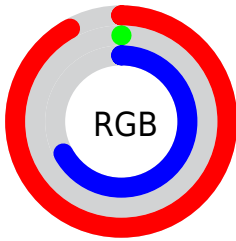
Format	Color
R_YB	235, 0, 172
Decimal	15401132
CIE _{Lab}	52.55, 84.46, -26.01
CIE _{LCh}	53, 88.374, 342.883
Yxy	20.6407, 0.4043, 0.2001
Android (android.graphics.Color)	4293591212 (0xFFEB00AC)
YUV	89.8730, 40.4886, 127.2764
Hunter-Lab	45.4320, 84.3596, -21.4630

Details

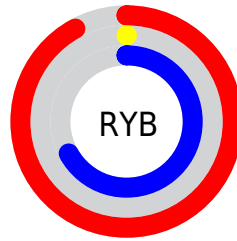
The XYZ color **41.7073, 20.6407, 40.8156** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **30.6075, 59.7765, 14.6345**, and the grayscale version is **9.5949, 10.0946, 10.9930**.

A 20% lighter version of the original color is **59.5183, 35.4108, 77.0968**, and **20.7853, 10.3306, 18.3513** is the 20% darker color. If you saturate the color by 10%, you get **41.7062, 20.6403, 40.8092**, and if you desaturate by 10%, it is **42.6446, 21.5235, 44.1853**.

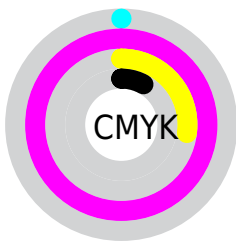
Distribution



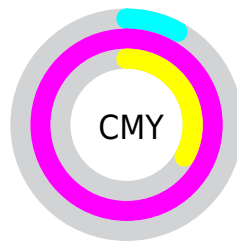
- Red (92%)
- Green (0%)
- Blue (67%)



- Red (92%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7073, 20.6407, 40.8156 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 41.7073, 20.6407, 40.8156 by changing the saturation by 10% instead.

 41.7073, 20.6407,
40.8156

 41.7073, 20.6407,
40.8156

344.2805,
255.3628, 365.2031

 29.0623, 12.8616,
27.8564


 77.0244, 44.4888,
77.6545


 19.2725, 7.3333,
17.9794


 100.4272, 61.3266,
102.3713


 11.9725, 3.6714,
10.7659


 128.1466, 81.9527,
131.8444

 6.7970, 1.4915,
5.7974

 160.5480,
106.7517, 166.4923

 3.3807, 0.2827,
2.6555

 197.9967,
136.1077, 206.7336

 1.3581, 0.0000,
0.9209

 240.8581,

 0.2261, 0.0000,

170.4054, 252.9868

0.0000

289.4976,
210.0289, 305.6705

■ 0.0000, 0.0000,
0.0000

■ 41.7073, 20.6407,
40.8156

■ 41.7073, 20.6407,
40.8156

■ 41.7062, 20.6403,
40.8092

■ 42.6446, 21.5235,
44.1853

■ 43.9946, 23.1851,
47.8359

■ 45.8791, 25.8688,
51.8101

■ 48.3696, 29.7169,
56.1334

■ 51.5264, 34.8490,
60.8279

■ 55.4020, 41.3698,
65.9126

■ 60.0437, 49.3734,
71.4053

■ 65.4945, 58.9454,
77.3218

■ 71.7945, 70.1648,
83.6772

Harmonies

Analogous

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



34.2000, 20.6407, 83.3453



41.7073, 20.6407, 40.8156



42.2662, 20.6407, 13.0039

Triad

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



41.7073, 20.6407, 40.8156



15.9496, 20.6407, 0.3119



9.3406, 20.6407, 77.1945

Complementary

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



41.7073, 20.6407, 40.8156



30.6075, 59.7765, 14.6345

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.



6.9758, 20.6407, 35.6922



41.7073, 20.6407, 40.8156



9.9125, 20.6407, 2.0773

Square

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



41.7073, 20.6407, 40.8156



25.2684, 20.6407, 0.4300



7.1461, 20.6407, 10.6628



14.8804, 20.6407, 113.2795

Rectangle

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



41.7073, 20.6407, 40.8156



38.4236, 20.6407, 4.7116



7.1461, 20.6407, 10.6628



8.2383, 20.6407, 62.4579

Sweetspot

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



41.7080, 20.6418, 40.8159



72.1815, 59.2687, 85.8451



17.0269, 7.0462, 79.0600



14.9199, 11.7672, 17.7627



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.



41.7080, 20.6418, 40.8159



50.1695, 24.8318, 48.9520



34.9480, 17.9378, 5.2186



15.5324, 15.2408, 18.0889



23.2672, 11.5096, 23.0061



1.8667, 0.9196, 2.0152

Inverse Universe

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



41.7080, 20.6418, 40.8159



50.1695, 24.8318, 48.9520



37.9654, 62.7196, 53.3803



15.5324, 15.2408, 18.0889



23.2672, 11.5096, 23.0061



1.8667, 0.9196, 2.0152

Previews

White Background



This preview shows how the XYZ color 41.7073, 20.6407, 40.8156 looks on a white background.

Color Contrast Check

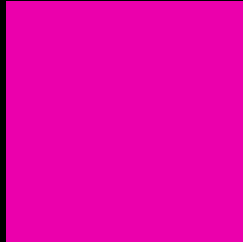
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7073, 20.6407, 40.8156 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 41.7073, 20.6407, 40.8156

Background



This preview shows how black text looks on a background with the XYZ color 41.7073, 20.6407, 40.8156.



This preview shows how white text looks on a background with the XYZ color 41.7073, 20.6407,

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

41.7073, 20.6407, 40.8156

Protanopia

25.2517, 21.6283, 89.2300

Deuteranopia

21.7927, 21.3780, 36.6960



Tritanopia

35.1994, 21.0832, 8.1755

Trichromacy



Original Color

41.7073, 20.6407, 40.8156



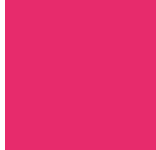
Protanomaly

23.4053, 14.6483, 67.9235



Deuteranomaly

24.7644, 16.2405, 37.4268



Tritanomaly

36.5256, 19.7994, 16.0839

Monochromacy



Original Color

41.7073, 20.6407, 40.8156



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.1810, 10.1220, 18.8702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7073, 20.6407, 40.8156 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(235, 0, 172)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 172)  
}
```

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(235, 0, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 172) }
```

Border

The CSS property to change the border of an element to XYZ 41.7073, 20.6407, 40.8156 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(235, 0, 172) }
```


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

```
.border{ border-color:rgb(235, 0, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 0, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 172);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7073, 20.6407, 40.8156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 172) }
```

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

```
.background{ background-color: rgb(235, 0,  
172) }
```

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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