

Converting Colors

XYZ(42.6498, 21.1002, 42.0509)

Have a look what the booklet for
XYZ(42.6498, 21.1002, 42.0509)
contains.

XYZ(42.5650, 21.0605, 41.8661)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.5650, 21.0605,
41.8661)**

Conversions

Conversions Part 1

Format	Color
Hex	ED00AE
RGB	237, 0, 174
RGB Percent	93%, 0%, 68%
CMY	0.0706, 0.9998, 0.3176
CMYK	0.00, 1.00, 0.27, 0.07
HSL	316°, 100%, 46%
HSV	316°, 100%, 93%
XYZ	42.5650, 21.0605, 41.8661
YIQ	90.6990, 85.3980, 104.3580

Conversions

Conversions Part 2

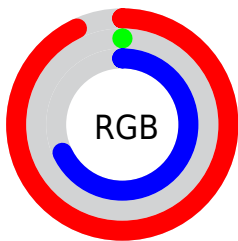
Format	Color
RYB	237, 0, 174
Decimal	15532206
CIELab	53.02, 85.06, -26.44
CIElCh	53, 89.072, 342.732
Yxy	21.0605, 0.4035, 0.1996
Android (android.graphics.Color)	4293722286 (0xFFED00AE)
YUV	90.6990, 41.0674, 128.3060
Hunter-Lab	45.8917, 85.2499, -21.9649

Details

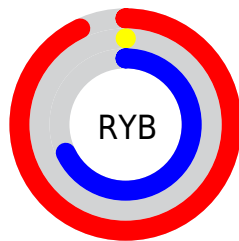
The XYZ color **42.5650, 21.0605, 41.8661** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **31.1834, 60.9283, 14.8266**, and the grayscale version is **9.7786, 10.2878, 11.2034**.

A 20% lighter version of the original color is **59.8906, 35.7085, 78.5988**, and **21.3557, 10.6106, 19.0116** is the 20% darker color. If you saturate the color by 10%, you get **42.5639, 21.0601, 41.8595**, and if you desaturate by 10%, it is **43.5156, 21.9551, 45.2856**.

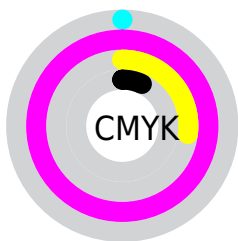
Distribution



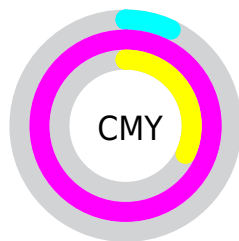
- Red (93%)
- Green (0%)
- Blue (68%)



- Red (93%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5650, 21.0605, 41.8661 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 42.5650, 21.0605, 41.8661 by changing the saturation by 10% instead.


 42.5650, 21.0605,
41.8661

 42.5650, 21.0605,
41.8661

347.7717,
257.5998, 369.7108

 29.7370, 13.1682,
28.6717


 78.3138, 45.1882,
79.2648


 19.7861, 7.5445,
18.5891


 101.9654, 62.1924,
104.3062


 12.3470, 3.8049,
11.2000


 129.9555, 83.0028,
134.1337

 7.0544, 1.5650,
6.0857

 162.6495,
108.0036, 169.1657

 3.5428, 0.3339,
2.8276

 200.4127,
137.5793, 209.8209

 1.4469, 0.0000,
1.0073

 243.6106,

 0.2892, 0.0000,

172.1143, 256.5178

0.0000

292.6085,
211.9931, 309.6750

■ 0.0000, 0.0000,
0.0000

■ 42.5650, 21.0605,
41.8661

■ 42.5650, 21.0605,
41.8661

■ 42.5639, 21.0601,
41.8595

■ 43.5156, 21.9551,
45.2856

■ 44.8869, 23.6446,
48.9893

■ 46.8028, 26.3761,
53.0204

■ 49.3365, 30.2950,
57.4053

■ 52.5492, 35.5235,
62.1660

■ 56.4948, 42.1687,
67.3223

■ 61.2214, 50.3264,
72.8920

■ 66.7731, 60.0840,
78.8915

■ 73.1906, 71.5224,
85.3359

Harmonies

Analogous

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



34.8654, 21.0605, 85.3670



42.5650, 21.0605, 41.8661



43.1771, 21.0605, 13.3517

Triad

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



42.5650, 21.0605, 41.8661



16.3104, 21.0605, 0.3163



9.5016, 21.0605, 78.6286

Complementary

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



42.5650, 21.0605, 41.8661



31.1834, 60.9283, 14.8266

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.



7.1023, 21.0605, 36.2552



42.5650, 21.0605, 41.8661



10.1273, 21.0605, 2.0918

Square

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



42.5650, 21.0605, 41.8661



25.8434, 21.0605, 0.4439



7.2885, 21.0605, 10.7900



15.1401, 21.0605, 115.6315

Rectangle

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



42.5650, 21.0605, 41.8661



39.2727, 21.0605, 4.8366



7.2885, 21.0605, 10.7900



8.3816, 21.0605, 63.5653

Sweetspot

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



42.5657, 21.0616, 41.8665



72.2064, 59.2787, 85.9765



17.1073, 7.0541, 80.5809



14.9259, 11.7696, 17.7943



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.



42.5657, 21.0616, 41.8665



50.2312, 24.8565, 49.2771



35.7225, 18.3244, 5.8310



15.5339, 15.2414, 18.0969



23.2954, 11.5209, 23.1547



1.8687, 0.9204, 2.0259

Inverse Universe

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



42.5657, 21.0616, 41.8665



50.2312, 24.8565, 49.2771



38.2969, 63.7736, 52.2857



15.5339, 15.2414, 18.0969



23.2954, 11.5209, 23.1547



1.8687, 0.9204, 2.0259

Previews

White Background



This preview shows how the XYZ color 42.5650, 21.0605, 41.8661 looks on a white background.

Color Contrast Check

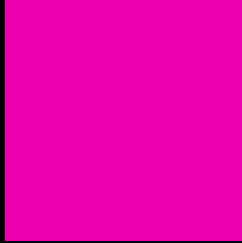
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5650, 21.0605, 41.8661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

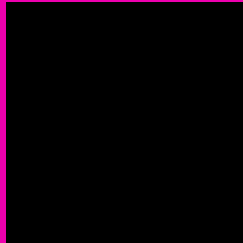
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.5650, 21.0605, 41.8661

Background



This preview shows how black text looks on a background with the XYZ color 42.5650, 21.0605, 41.8661.



This preview shows how white text looks on a background with the XYZ color 42.5650, 21.0605,

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

42.5650, 21.0605, 41.8661

Protanopia

25.7818, 22.0334, 91.7010

Deuteranopia

22.0978, 21.7036, 37.6749



Tritanopia

35.6109, 21.3821, 8.3812

Trichromacy



Original Color

42.5650, 21.0605, 41.8661



Protanomaly

23.8732, 14.9500, 70.0340



Deuteranomaly

25.1536, 16.4199, 38.4028



Tritanomaly

36.9397, 20.0613, 16.3933

Monochromacy



Original Color

42.5650, 21.0605, 41.8661



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.4658, 10.3359, 19.2163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5650, 21.0605, 41.8661 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 0, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 174) }
```

Border

The CSS property to change the border of an element to XYZ 42.5650, 21.0605, 41.8661 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, 174) }
```


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

```
.border{ border-color:rgb(237, 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(237, 0, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5650, 21.0605, 41.8661 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, 174) }
```

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

```
.background{ background-color: rgb(237, 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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