

Converting Colors

XYZ(46.3838, 23.5479, 41.7217)

Have a look what the booklet for
XYZ(46.3838, 23.5479, 41.7217)
contains.

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Color

**XYZ(46.2482, 23.4865,
41.6310)**

Conversions

Conversions Part 1

Format	Color
Hex	F719AD
RGB	247, 25, 173
RGB Percent	97%, 10%, 68%
CMY	0.0314, 0.9019, 0.3216
CMYK	0.00, 0.90, 0.30, 0.03
HSL	320°, 93%, 53%
HSV	320°, 90%, 97%
XYZ	46.2482, 23.4865, 41.6310
YIQ	108.2500, 84.8040, 93.0920

Conversions

Conversions Part 2

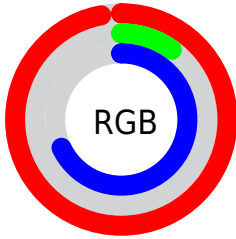
Format	Color
R_{YB}	247, 25, 173
Decimal	16193965
CIE _{Lab}	55.57, 84.78, -21.76
CIE _{LCh}	56, 87.526, 345.602
Yxy	23.4865, 0.4153, 0.2109
Android (android.graphics.Color)	4294384045 (0xFFFF719AD)
YUV	108.2500, 31.9217, 121.6838
Hunter-Lab	48.4629, 85.5328, -17.0078

Details

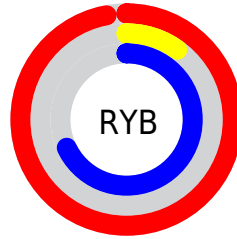
The XYZ color **46.2482, 23.4865, 41.6310** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **35.9159, 67.6301, 22.9722**, and the grayscale version is **14.2247, 14.9655, 16.2974**.

A 20% lighter version of the original color is **60.5369, 37.2252, 78.1233**, and **23.3977, 11.6704, 18.7887** is the 20% darker color. If you saturate the color by 10%, you get **45.1317, 22.4894, 37.4480**, and if you desaturate by 10%, it is **47.8514, 25.3780, 46.2189**.

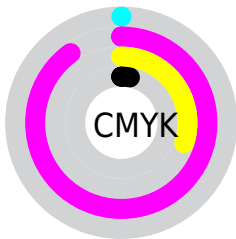
Distribution



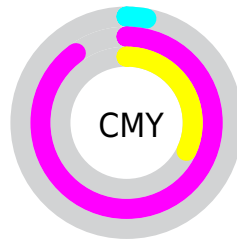
- Red (97%)
- Green (10%)
- Blue (68%)



- Red (97%)
- Yellow (10%)
- Blue (68%)



- Cyan (0%)
- Magenta (90%)
- Yellow (30%)
- Black (3%)





- Cyan (3%)
- Magenta (90%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2482, 23.4865, 41.6310 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 46.2482, 23.4865, 41.6310 by changing the saturation by 10% instead.

 46.2482, 23.4865,
41.6310


 46.2482, 23.4865,
41.6310

362.5048,
270.2140, 368.7054

 32.6472, 14.9531,
28.4891


 83.8159, 49.1909,
78.9049


 22.0142, 8.7865,
18.4524


 108.5133, 67.1308,
103.8739

 13.9840, 4.6022,
11.1025


 137.6402, 88.9750,
133.6224

 8.1912, 2.0158,
6.0208

 171.5620,
115.1078, 168.5689

 4.2704, 0.6166,
2.7887

 210.6440,
145.9138, 209.1319

 1.8562, 0.0000,
0.9878

255.2516,

 0.5512, 0.0000,

181.7772, 255.7300

0.0000

305.7501,
223.0825, 308.7816

■ 0.0000, 0.0000,
0.0000

■ 46.2482, 23.4865,
41.6310

■ 46.2482, 23.4865,
41.6310

■ 45.1317, 22.4894,
37.4480

■ 47.8514, 25.3780,
46.2189

■ 45.1182, 22.4783,
37.3945

■ 50.0716, 28.4236,
51.2588

■ 52.9907, 32.7857,
56.7823

■ 56.6770, 38.5996,
62.8162

■ 61.1903, 45.9838,
69.3843

66.5845, 55.0446,
76.5085

72.9086, 65.8786,
84.2087

80.2077, 78.5755,
92.5039

88.5244, 93.2186,
101.4115

Harmonies

Analogous

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



38.8373, 23.4865, 85.6644



46.2482, 23.4865, 41.6310



46.0805, 23.4865, 13.5518

Triad

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



46.2482, 23.4865, 41.6310



17.5930, 23.4865, 0.8046



11.4937, 23.4865, 87.4868

Complementary

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



46.2482, 23.4865, 41.6310



35.9159, 67.6301, 22.9722

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.



8.5680, 23.4865, 43.1778



46.2482, 23.4865, 41.6310



11.3134, 23.4865, 3.2689

Square

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



46.2482, 23.4865, 41.6310



27.3891, 23.4865, 0.7714



8.5135, 23.4865, 14.2878



17.9240, 23.4865, 122.7853

Rectangle

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



46.2482, 23.4865, 41.6310



41.6105, 23.4865, 5.1745



8.5135, 23.4865, 14.2878



10.1639, 23.4865, 72.1329

Sweetspot

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



46.2489, 23.4878, 41.6314



73.4027, 62.2699, 84.5297



22.2844, 10.0656, 88.7642



15.2425, 12.5310, 17.5046



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.



46.2489, 23.4878, 41.6314



48.4947, 24.1619, 40.1329



39.5762, 20.8187, 6.4933



16.9650, 16.6689, 19.5625



23.9301, 11.9155, 20.1381



2.1508, 1.0663, 2.0204

Inverse Universe

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



46.2489, 23.4878, 41.6314



48.4947, 24.1619, 40.1329



45.2959, 71.3821, 72.3667



16.9650, 16.6689, 19.5625



23.9301, 11.9155, 20.1381



2.1508, 1.0663, 2.0204

Previews

White Background



This preview shows how the XYZ color 46.2482, 23.4865, 41.6310 looks on a white background.

Color Contrast Check

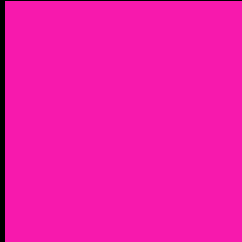
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.2482, 23.4865, 41.6310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

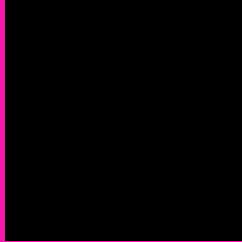
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.2482, 23.4865, 41.6310

Background



This preview shows how black text looks on a background with the XYZ color 46.2482, 23.4865, 41.6310.



This preview shows how white text looks on a background with the XYZ color 46.2482, 23.4865,

41.6310.

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

46.2482, 23.4865, 41.6310

Protanopia

27.3022, 24.0560, 87.9983

Deuteranopia

24.3108, 23.8278, 37.5003



Tritanopia

39.4244, 23.5262, 8.9417

Trichromacy



Original Color

46.2482, 23.4865, 41.6310



Protanomaly

27.1295, 18.2052, 68.4137



Deuteranomaly

28.1656, 19.4061, 38.3377



Tritanomaly

41.0958, 22.8188, 16.9903

Monochromacy



Original Color

46.2482, 23.4865, 41.6310



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

21.1873, 14.4856, 23.5091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2482, 23.4865, 41.6310 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(247, 25, 173)` looks like.

```
.text, #text, p{  
    color:rgb(247, 25, 173)  
}
```

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(247, 25, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 25, 173) }
```

Border

The CSS property to change the border of an element to XYZ 46.2482, 23.4865, 41.6310 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(247, 25, 173) }
```


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

```
.border{ border-color:rgb(247, 25, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 25, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 25, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 25, 173);  
box-shadow:4px 4px 4px 4px rgb(247, 25,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2482, 23.4865, 41.6310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 25, 173) }
```

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

```
.background{ background-color: rgb(247, 25,  
173) }
```

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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