

Converting Colors

XYZ(46.9444, 23.4341, 36.8330)

Have a look what the booklet for
XYZ(46.9444, 23.4341, 36.8330)
contains.

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Color

**XYZ(46.7557, 23.3398,
36.6911)**

Conversions

Conversions Part 1

Format	Color
Hex	FC00A3
RGB	252, 0, 163
RGB Percent	99%, 0%, 64%
CMY	0.0118, 0.9998, 0.3608
CMYK	0.00, 1.00, 0.35, 0.01
HSL	321°, 100%, 49%
HSV	321°, 100%, 99%
XYZ	46.7557, 23.3398, 36.6911
YIQ	93.9300, 97.8690, 104.1170

Conversions

Conversions Part 2

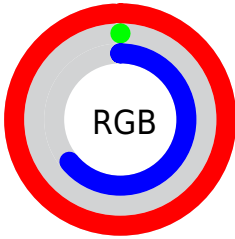
Format	Color
R_{YB}	252, 0, 163
Decimal	16515235
CIE _{Lab}	55.42, 86.85, -16.04
CIE _{LCh}	55, 88.322, 349.539
Yxy	23.3398, 0.4378, 0.2186
Android (android.graphics.Color)	4294705315 (0xFFFC00A3)
YUV	93.9300, 34.0515, 138.6274
Hunter-Lab	48.3113, 88.2077, -11.2112

Details

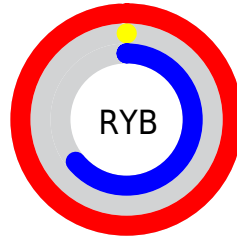
The XYZ color **46.7557, 23.3398, 36.6911** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **36.6169, 70.3434, 21.1124**, and the grayscale version is **10.5370, 11.0858, 12.0724**.

A 20% lighter version of the original color is **58.4521, 35.4363, 70.0888**, and **23.8555, 11.9665, 16.0914** is the 20% darker color. If you saturate the color by 10%, you get **46.7538, 23.3390, 36.6809**, and if you desaturate by 10%, it is **47.9351, 24.3767, 41.1594**.

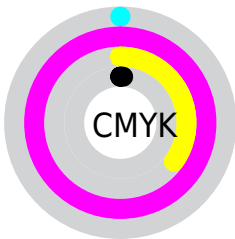
Distribution



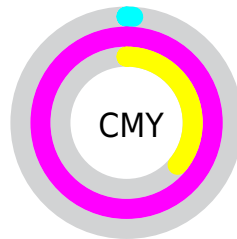
- Red (99%)
- Green (0%)
- Blue (64%)



- Red (99%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7557, 23.3398, 36.6911 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 46.7557, 23.3398, 36.6911 by changing the saturation by 10% instead.


 46.7557, 23.3398,
36.6911


 46.7557, 23.3398,
36.6911


364.5038,
269.4655, 347.0996


 33.0497, 14.8446,
24.6745


 84.5698, 48.9507,
71.2784


 22.3239, 8.7104,
15.6179


 109.4086, 66.8352,
94.6863


 14.2131, 4.5528,
9.1028


 138.6891, 88.6182,
122.7283

 8.3517, 1.9873,
4.7105

 172.7766,
114.6842, 155.8230

 4.3745, 0.6001,
2.0227

 212.0365,
145.4175, 194.3889

 1.9161, 0.0000,
0.5692

256.8340,

 0.5862, 0.0000,

181.2026, 238.8446

0.0000

307.5347,
222.4238, 289.6087

■ 0.0000, 0.0000,
0.0000

■ 46.7557, 23.3398,
36.6911

■ 46.7557, 23.3398,
36.6911

■ 46.7538, 23.3390,
36.6809

■ 47.9351, 24.3767,
41.1594

■ 49.6257, 26.3445,
46.0805

■ 51.9683, 29.5227,
51.5068

■ 55.0486, 34.0814,
57.4721

■ 58.9387, 40.1630,
64.0054

■ 63.7018, 47.8923,
71.1329

■ 69.3946, 57.3810,
78.8781

■ 76.0686, 68.7310,
87.2630

■ 83.7719, 82.0363,
96.3081

Harmonies

Analogous

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



40.1130, 23.3398, 79.9781



46.7557, 23.3398, 36.6911



45.4818, 23.3398, 11.1610

Triad

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



46.7557, 23.3398, 36.6911



16.3911, 23.3398, 0.8611



11.9569, 23.3398, 93.8532

Complementary

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



46.7557, 23.3398, 36.6911



36.6169, 70.3434, 21.1124

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.



8.6164, 23.3398, 48.4393



46.7557, 23.3398, 36.6911



10.5968, 23.3398, 3.8817

Square

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



46.7557, 23.3398, 36.6911



25.8344, 23.3398, 0.6082



8.2067, 23.3398, 16.7212



18.8944, 23.3398, 126.0329

Rectangle

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



46.7557, 23.3398, 36.6911



40.4070, 23.3398, 4.0776



8.2067, 23.3398, 16.7212



10.4765, 23.3398, 78.5383

Sweetspot

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



46.7564, 23.3411, 36.6915



71.2603, 58.9002, 80.9941



21.6186, 9.1161, 92.7155



14.6993, 11.6789, 16.6010



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.



46.7564, 23.3411, 36.6915



48.0241, 23.9737, 37.6548



40.4930, 20.8358, 3.7088



17.7174, 17.4143, 20.3678



24.4272, 12.1866, 19.4901



2.3127, 1.1488, 2.0701

Inverse Universe

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



46.7564, 23.3411, 36.6915



48.0241, 23.9737, 37.6548



46.9755, 74.4868, 75.6600



17.7174, 17.4143, 20.3678



24.4272, 12.1866, 19.4901



2.3127, 1.1488, 2.0701

Previews

White Background



This preview shows how the XYZ color 46.7557, 23.3398, 36.6911 looks on a white background.

Color Contrast Check

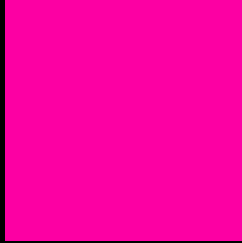
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.7557, 23.3398, 36.6911 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 46.7557, 23.3398, 36.6911

Background



This preview shows how black text looks on a background with the XYZ color 46.7557, 23.3398, 36.6911.



This preview shows how white text looks on a background with the XYZ color 46.7557, 23.3398,

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

46.7557, 23.3398, 36.6911

Protanopia

26.8488, 24.1905, 80.3449

Deuteranopia

24.4313, 23.9886, 33.0484



Tritanopia

40.8526, 23.6649, 7.7248

Trichromacy



Original Color

46.7557, 23.3398, 36.6911



Protanomaly

26.6912, 17.0365, 61.5561



Deuteranomaly

27.9164, 18.2901, 33.5115



Tritanomaly

41.9026, 22.5016, 14.7051

Monochromacy



Original Color

46.7557, 23.3398, 36.6911



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.7081, 11.1429, 18.6702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7557, 23.3398, 36.6911 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(252, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 163)  
}
```

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(252, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 46.7557, 23.3398, 36.6911 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(252, 0, 163) }
```


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

```
.border{ border-color:rgb(252, 0, 163) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7557, 23.3398, 36.6911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 163) }
```

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

```
.background{ background-color: rgb(252, 0,  
163) }
```

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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