

Converting Colors

XYZ(46.7854, 23.3705, 35.9956)

Have a look what the booklet for
XYZ(46.7854, 23.3705, 35.9956)
contains.

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Color

**XYZ(46.6665, 23.3041,
36.2210)**

Conversions

Conversions Part 1

Format	Color
Hex	FC00A2
RGB	252, 0, 162
RGB Percent	99%, 0%, 64%
CMY	0.0118, 0.9998, 0.3647
CMYK	0.00, 1.00, 0.36, 0.01
HSL	321°, 100%, 49%
HSV	321°, 100%, 99%
XYZ	46.6665, 23.3041, 36.2210
YIQ	93.8160, 98.1900, 103.8060

Conversions

Conversions Part 2

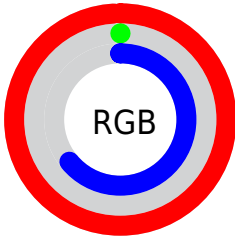
Format	Color
R_{YB}	252, 0, 162
Decimal	16515234
CIE _{Lab}	55.38, 86.76, -15.50
CIE _{LCh}	55, 88.134, 349.869
Yxy	23.3041, 0.4395, 0.2195
Android (android.graphics.Color)	4294705314 (0xFFFC00A2)
YUV	93.8160, 33.6147, 138.7274
Hunter-Lab	48.2743, 88.0748, -10.6942

Details

The XYZ color **46.6665, 23.3041, 36.2210** 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 **36.6592, 70.3605, 21.3350**, and the grayscale version is **10.5110, 11.0584, 12.0425**.

A 20% lighter version of the original color is **58.3216, 35.3841, 69.4016**, and **23.8007, 11.9446, 15.8030** is the 20% darker color. If you saturate the color by 10%, you get **46.6646, 23.3033, 36.2111**, and if you desaturate by 10%, it is **47.8491, 24.3423, 40.7059**.

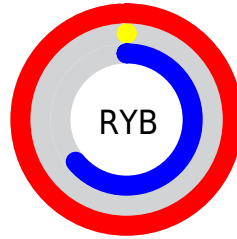
Distribution



Red (99%)

Green (0%)

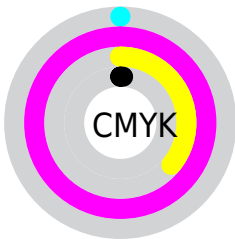
Blue (64%)



Red (99%)

Yellow (0%)

Blue (64%)

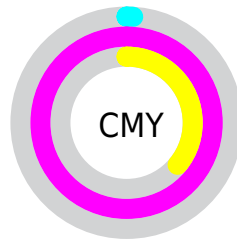


Cyan (0%)

Magenta (100%)

Yellow (36%)

Black (1%)



Cyan (1%)

Magenta (100%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6665, 23.3041, 36.2210 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 46.6665, 23.3041, 36.2210 by changing the saturation by 10% instead.

 46.6665, 23.3041,
36.2210


 46.6665, 23.3041,
36.2210

364.1529,
269.2831, 344.9920

 32.9789, 14.8182,
24.3139


 84.4374, 48.8922,
70.5459


 22.2695, 8.6919,
15.3523


 109.2514, 66.7632,
93.8008


 14.1727, 4.5408,
8.9176


 138.5049, 88.5313,
121.6753

 8.3234, 1.9804,
4.5914

 172.5633,
114.5810, 154.5881

 4.3561, 0.5961,
1.9551

 211.7920,
145.2966, 192.9576

 1.9055, 0.0000,
0.5274

256.5562,

 0.5800, 0.0000,

181.0626, 237.2024

0.0000

307.2214,
222.2633, 287.7410

■ 0.0000, 0.0000,
0.0000

■ 46.6665, 23.3041,
36.2210

■ 46.6665, 23.3041,
36.2210

■ 46.6646, 23.3033,
36.2111

■ 47.8491, 24.3423,
40.7059

■ 49.5440, 26.3117,
45.6499

■ 51.8921, 29.4921,
51.1055

■ 54.9791, 34.0534,
57.1067

■ 58.8773, 40.1381,
63.6828

■ 63.6498, 47.8711,
70.8600

■ 69.3534, 57.3641,
78.6621

■ 76.0396, 68.7188,
87.1113

■ 83.7564, 82.0295,
96.2283

Harmonies

Analogous

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



40.1221, 23.3041, 79.2193



46.6665, 23.3041, 36.2210



45.3056, 23.3041, 10.9907

Triad

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



46.6665, 23.3041, 36.2210



16.2902, 23.3041, 0.8811



12.0075, 23.3041, 94.0348

Complementary

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



46.6665, 23.3041, 36.2210



36.6592, 70.3605, 21.3350

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.



8.6384, 23.3041, 48.7757



46.6665, 23.3041, 36.2210



10.5516, 23.3041, 3.9613

Square

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



46.6665, 23.3041, 36.2210



25.6693, 23.3041, 0.6104



8.1997, 23.3041, 16.9429



18.9677, 23.3041, 125.7506

Rectangle

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



46.6665, 23.3041, 36.2210



40.2053, 23.3041, 4.0169



8.1997, 23.3041, 16.9429



10.5176, 23.3041, 78.8124

Sweetspot

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



46.6672, 23.3054, 36.2214



71.2182, 58.8834, 80.7724



21.6185, 9.1160, 92.7157



14.6892, 11.6749, 16.5480



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.



46.6672, 23.3054, 36.2214



47.9325, 23.9370, 37.1720



40.4930, 20.8358, 3.7086



17.7144, 17.4131, 20.3519



24.3810, 12.1681, 19.2466



2.3086, 1.1472, 2.0487

Inverse Universe

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



46.6672, 23.3054, 36.2214



47.9325, 23.9370, 37.1720



46.9755, 74.4870, 75.6600



17.7144, 17.4131, 20.3519



24.3810, 12.1681, 19.2466



2.3086, 1.1472, 2.0487

Previews

White Background



This preview shows how the XYZ color 46.6665, 23.3041, 36.2210 looks on a white background.

Color Contrast Check

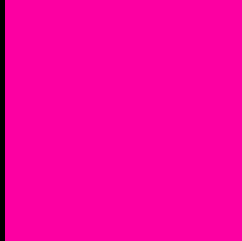
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.6665, 23.3041, 36.2210 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 46.6665, 23.3041, 36.2210

Background



This preview shows how black text looks on a background with the XYZ color 46.6665, 23.3041, 36.2210.



This preview shows how white text looks on a background with the XYZ color 46.6665, 23.3041,

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

46.6665, 23.3041, 36.2210

Protanopia

26.8016, 24.1826, 79.5990

Deuteranopia

24.2160, 23.6886, 32.5742



Tritanopia

40.8228, 23.6530, 7.5681

Trichromacy



Original Color

46.6665, 23.3041, 36.2210



Protanomaly

26.5685, 16.9874, 60.9101



Deuteranomaly

27.8320, 18.2564, 33.0673



Tritanomaly

41.8533, 22.4819, 14.4454

Monochromacy



Original Color

46.6665, 23.3041, 36.2210



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 46.6665, 23.3041, 36.2210 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 162) }
```

Border

The CSS property to change the border of an element to XYZ 46.6665, 23.3041, 36.2210 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, 162) }
```


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

```
.border{ border-color:rgb(252, 0, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 162);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6665, 23.3041, 36.2210 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, 162) }
```

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

```
.background{ background-color: rgb(252, 0,  
162) }
```

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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