

Converting Colors

XYZ(46.7151, 23.2373, 40.4193)

Have a look what the booklet for
XYZ(46.7151, 23.2373, 40.4193)
contains.

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Color

**XYZ(46.7750, 23.2643,
40.5532)**

Conversions

Conversions Part 1

Format	Color
Hex	FA00AB
RGB	250, 0, 171
RGB Percent	98%, 0%, 67%
CMY	0.0196, 0.9998, 0.3294
CMYK	0.00, 1.00, 0.32, 0.02
HSL	319°, 100%, 49%
HSV	319°, 100%, 98%
XYZ	46.7750, 23.2643, 40.5532
YIQ	94.2440, 94.1090, 106.1810

Conversions

Conversions Part 2

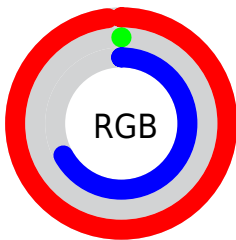
Format	Color
R_{YB}	250, 0, 171
Decimal	16384171
CIE _{Lab}	55.34, 87.24, -20.89
CIE _{LCh}	55, 89.707, 346.533
Yxy	23.2643, 0.4229, 0.2104
Android (android.graphics.Color)	4294574251 (0xFFFA00AB)
YUV	94.2440, 37.8407, 136.5980
Hunter-Lab	48.2331, 88.6961, -16.0864

Details

The XYZ color **46.7750, 23.2643, 40.5532** 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 **35.5998, 68.9370, 18.8385**, and the grayscale version is **10.6027, 11.1549, 12.1477**.

A 20% lighter version of the original color is **59.5246, 35.8653, 75.7369**, and **24.0688, 12.0233, 18.5049** is the 20% darker color. If you saturate the color by 10%, you get **46.7732, 23.2636, 40.5438**, and if you desaturate by 10%, it is **47.9001, 24.2726, 44.7564**.

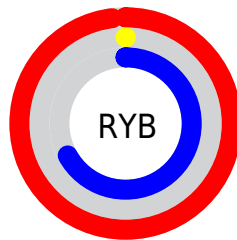
Distribution



Red (98%)

Green (0%)

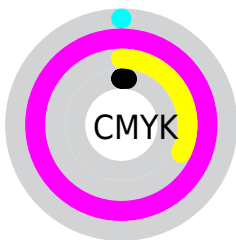
Blue (67%)



Red (98%)

Yellow (0%)

Blue (67%)

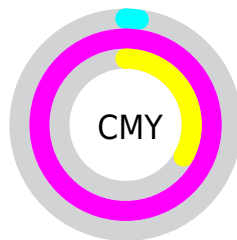


Cyan (0%)

Magenta (100%)

Yellow (32%)

Black (2%)



Cyan (2%)


Magenta (100%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7750, 23.2643, 40.5532 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 46.7750, 23.2643, 40.5532 by changing the saturation by 10% instead.


 46.7750, 23.2643,
40.5532


 46.7750, 23.2643,
40.5532


364.5796,
269.0796, 364.0709


 33.0650, 14.7888,
27.6531


 84.5985, 48.8269,
77.2515


 22.3357, 8.6713,
17.8275


 109.4426, 66.6829,
101.8867


 14.2218, 4.5274,
10.6581


 138.7290, 88.4344,
131.2706

 8.3578, 1.9727,
5.7262

 172.8227,
114.4659, 165.8219

 4.3785, 0.5916,
2.6132

 212.0893,
145.1617, 205.9590

 1.9184, 0.0000,
0.8993

256.8941,

 0.5875, 0.0000,

180.9064, 252.1006

0.0000

307.6024,
222.0842, 304.6650

■ 0.0000, 0.0000,
0.0000

■ 46.7750, 23.2643,
40.5532

■ 46.7750, 23.2643,
40.5532

■ 46.7732, 23.2636,
40.5438

■ 47.9001, 24.2726,
44.7564

■ 49.5162, 26.1898,
49.3492

■ 51.7616, 29.2912,
54.3812

■ 54.7201, 33.7431,
59.8842

■ 58.4621, 39.6851,
65.8850

■ 63.0492, 47.2395,
72.4075

■ 68.5366, 56.5157,
79.4736

■ 74.9749, 67.6135,
87.1033

■ 82.4105, 80.6250,
95.3154

Harmonies

Analogous

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



39.3401, 23.2643, 85.7828



46.7750, 23.2643, 40.5532



46.3347, 23.2643, 12.6063

Triad

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



46.7750, 23.2643, 40.5532



17.0497, 23.2643, 0.6587



11.2925, 23.2643, 90.5999

Complementary

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



46.7750, 23.2643, 40.5532



35.5998, 68.9370, 18.8385

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.



8.2652, 23.2643, 44.6016



46.7750, 23.2643, 40.5532



10.8310, 23.2643, 3.1342

Square

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



46.7750, 23.2643, 40.5532



26.9316, 23.2643, 0.5718



8.1269, 23.2643, 14.4924



17.9047, 23.2643, 126.4902

Rectangle

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



46.7750, 23.2643, 40.5532



41.5903, 23.2643, 4.5897



8.1269, 23.2643, 14.4924



9.9229, 23.2643, 74.7177

Sweetspot

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



46.7757, 23.2656, 40.5536



71.6585, 59.0595, 83.0911



20.1609, 8.4010, 91.0015



14.7945, 11.7170, 17.1023



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.



46.7757, 23.2656, 40.5536



48.9191, 24.3317, 42.3677



40.0018, 20.5560, 4.8825



17.7459, 17.4257, 20.5176



24.8781, 12.3670, 21.8645



2.3522, 1.1646, 2.2778

Inverse Universe

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



46.7757, 23.2656, 40.5536



48.9191, 24.3317, 42.3677



44.6131, 72.5423, 66.3017



17.7459, 17.4257, 20.5176



24.8781, 12.3670, 21.8645



2.3522, 1.1646, 2.2778

Previews

White Background



This preview shows how the XYZ color 46.7750, 23.2643, 40.5532 looks on a white background.

Color Contrast Check

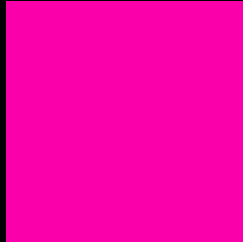
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.7750, 23.2643, 40.5532 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 46.7750, 23.2643, 40.5532

Background



This preview shows how black text looks on a background with the XYZ color 46.7750, 23.2643, 40.5532.



This preview shows how white text looks on a background with the XYZ color 46.7750, 23.2643,

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

46.7750, 23.2643, 40.5532

Protanopia

27.4537, 24.1166, 88.7960

Deuteranopia

24.2930, 23.8390, 36.5787



Tritanopia

40.1348, 23.6311, 8.2403

Trichromacy



Original Color

46.7750, 23.2643, 40.5532



Protanomaly

26.6021, 16.8590, 67.4977



Deuteranomaly

27.6986, 18.0970, 37.1551



Tritanomaly

41.5238, 22.3821, 16.0416

Monochromacy



Original Color

46.7750, 23.2643, 40.5532



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.8912, 11.2162, 19.6343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7750, 23.2643, 40.5532 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(250, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 171)  
}
```

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(250, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 46.7750, 23.2643, 40.5532 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(250, 0, 171) }
```


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

```
.border{ border-color:rgb(250, 0, 171) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7750, 23.2643, 40.5532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 171) }
```

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

```
.background{ background-color: rgb(250, 0,  
171) }
```

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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