

Converting Colors

XYZ(49.0209, 22.1570, 35.7249)

Have a look what the booklet for
XYZ(49.0209, 22.1570, 35.7249)
contains.

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Color

**XYZ(47.7616, 23.8686,
36.2722)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00A2
RGB	255, 0, 162
RGB Percent	100%, 0%, 64%
CMY	0.0000, 0.9998, 0.3647
CMYK	0.00, 1.00, 0.36, 0.00
HSL	322°, 100%, 50%
HSV	322°, 100%, 100%
XYZ	47.7616, 23.8686, 36.2722
YIQ	94.7130, 99.9780, 104.4420

Conversions

Conversions Part 2

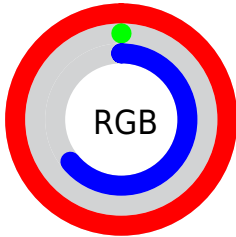
Format	Color
RYB	255, 0, 162
Decimal	16711842
CIELab	55.96, 87.36, -14.58
CIElCh	56, 88.565, 350.523
Yxy	23.8686, 0.4426, 0.2212
Android (android.graphics.Color)	4294901922 (0xFFFF00A2)
YUV	94.7130, 33.1725, 140.5717
Hunter-Lab	48.8555, 89.0062, -9.8203

Details

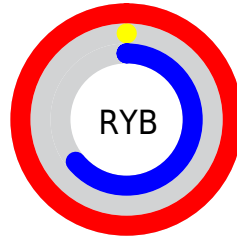
The XYZ color **47.7616, 23.8686, 36.2722** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **37.7391, 72.3117, 22.3381**, and the grayscale version is **10.7233, 11.2817, 12.2858**.

A 20% lighter version of the original color is **58.4181, 35.5771, 69.4337**, and **24.5527, 12.3323, 15.8381** is the 20% darker color. If you saturate the color by 10%, you get **47.7597, 23.8679, 36.2622**, and if you desaturate by 10%, it is **48.9793, 24.9312, 40.9101**.

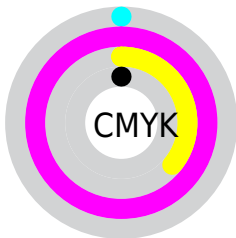
Distribution



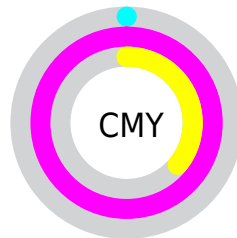
- Red (100%)
- Green (0%)
- Blue (64%)



- Red (100%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7616, 23.8686, 36.2722 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 47.7616, 23.8686, 36.2722 by changing the saturation by 10% instead.

 47.7616, 23.8686,
36.2722


 47.7616, 23.8686,
36.2722


368.4447,
272.1555, 345.2220


 33.8486, 15.2362,
24.3531

 86.0612, 49.8157,
70.6258


 22.9396, 8.9853,
15.3812


 111.1785, 67.8991,
93.8973


 14.6694, 4.7316,
8.9377


 140.7613, 89.9017,
121.7902

 8.6725, 2.0907,
4.6043

 175.1749,
116.2079, 154.7228

 4.5836, 0.6594,
1.9624

 214.7847,
147.2019, 193.1138

 2.0373, 0.0000,
0.5320

259.9560,

 0.6548, 0.0000,

183.2682, 237.3816

0.0000

311.0542,
224.7913, 287.9448

■ 0.0000, 0.0000,
0.0000

■ 47.7616, 23.8686,
36.2722

■ 47.7616, 23.8686,
36.2722

■ 47.7597, 23.8679,
36.2622

■ 48.9793, 24.9312,
40.9101

■ 50.7264, 26.9528,
46.0325

■ 53.1472, 30.2199,
51.6936

■ 56.3303, 34.9076,
57.9290

■ 60.3500, 41.1629,
64.7691

65.2714, 49.1141,
72.2413

71.1530, 58.8763,
80.3706

78.0480, 70.5544,
89.1800

86.0059, 84.2453,
98.6912

Harmonies

Analogous

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



41.2369, 23.8686, 79.8646



47.7616, 23.8686, 36.2722



46.1887, 23.8686, 10.9519

Triad

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



47.7616, 23.8686, 36.2722



16.5322, 23.8686, 0.9460



12.4380, 23.8686, 96.9727

Complementary

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



47.7616, 23.8686, 36.2722



37.7391, 72.3117, 22.3381

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.



8.9190, 23.8686, 50.7933



47.7616, 23.8686, 36.2722



10.7488, 23.8686, 4.2335

Square

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



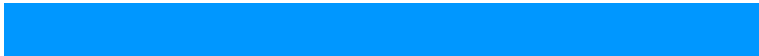
47.7616, 23.8686, 36.2722



26.0390, 23.8686, 0.6375



8.4094, 23.8686, 17.8597



19.6347, 23.8686, 128.6178

Rectangle

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



47.7616, 23.8686, 36.2722



40.8979, 23.8686, 4.0054



8.4094, 23.8686, 17.8597



10.8881, 23.8686, 81.5222

Sweetspot

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



47.7623, 23.8699, 36.2726



71.1381, 58.8514, 80.3509



22.1982, 9.3594, 95.2443



14.6701, 11.6673, 16.4474



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.



47.7623, 23.8699, 36.2726



47.7597, 23.8679, 36.2622



41.5954, 21.4032, 3.7981



18.4950, 18.1813, 21.2239



25.0297, 12.5012, 19.3389



2.4896, 1.2382, 2.1597

Inverse Universe

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



47.7623, 23.8699, 36.2726



47.7597, 23.8679, 36.2622



48.2538, 76.5176, 77.7075



18.4950, 18.1813, 21.2239



25.0297, 12.5012, 19.3389



2.4896, 1.2382, 2.1597

Previews

White Background



This preview shows how the XYZ color 47.7616, 23.8686, 36.2722 looks on a white background.

Color Contrast Check

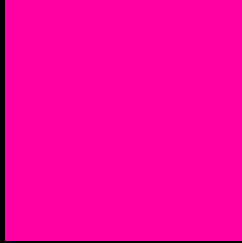
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.7616, 23.8686, 36.2722 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 47.7616, 23.8686, 36.2722

Background



This preview shows how black text looks on a background with the XYZ color 47.7616, 23.8686, 36.2722.



This preview shows how white text looks on a background with the XYZ color 47.7616, 23.8686,

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

47.7616, 23.8686, 36.2722

Protanopia

27.2304, 24.6040, 79.6578

Deuteranopia

24.8217, 24.3996, 32.6795



Tritanopia

41.8837, 24.1999, 7.6178

Trichromacy



Original Color

47.7616, 23.8686, 36.2722



Protanomaly

27.1953, 17.4250, 60.9615



Deuteranomaly

28.3781, 18.6523, 33.1149



Tritanomaly

42.9256, 23.0347, 14.4956

Monochromacy



Original Color

47.7616, 23.8686, 36.2722



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.0825, 11.3359, 18.6878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7616, 23.8686, 36.2722 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(255, 0, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 0, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 162) }
```

Border

The CSS property to change the border of an element to XYZ 47.7616, 23.8686, 36.2722 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(255, 0, 162) }
```


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

```
.border{ border-color:rgb(255, 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(255, 0, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7616, 23.8686, 36.2722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 162) }
```

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

```
.background{ background-color: rgb(255, 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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