

Converting Colors

XYZ(48.0708, 23.9923, 37.9003)

Have a look what the booklet for
XYZ(48.0708, 23.9923, 37.9003)
contains.

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Color

**XYZ(48.0315, 23.9766,
37.6937)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00A5
RGB	255, 0, 165
RGB Percent	100%, 0%, 65%
CMY	0.0000, 0.9998, 0.3529
CMYK	0.00, 1.00, 0.35, 0.00
HSL	321°, 100%, 50%
HSV	321°, 100%, 100%
XYZ	48.0315, 23.9766, 37.6937
YIQ	95.0550, 99.0150, 105.3750

Conversions

Conversions Part 2

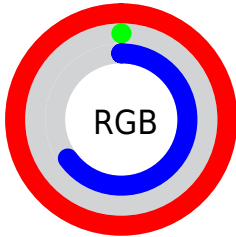
Format	Color
RYB	255, 0, 165
Decimal	16711845
CIELab	56.06, 87.64, -16.18
CIELCh	56, 89.119, 349.538
Yxy	23.9766, 0.4378, 0.2186
Android (android.graphics.Color)	4294901925 (0xFFFF00A5)
YUV	95.0550, 34.4829, 140.2718
Hunter-Lab	48.9659, 89.4034, -11.3650

Details

The XYZ color **48.0315, 23.9766, 37.6937** 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 **37.6088, 72.2596, 21.6519**, and the grayscale version is **10.8022, 11.3647, 12.3762**.

A 20% lighter version of the original color is **58.8119, 35.7347, 71.5079**, and **24.7189, 12.3987, 16.7131** is the 20% darker color. If you saturate the color by 10%, you get **48.0296, 23.9758, 37.6834**, and if you desaturate by 10%, it is **49.2400, 25.0356, 42.2828**.

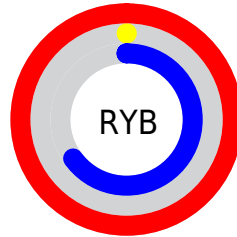
Distribution



Red (100%)

Green (0%)

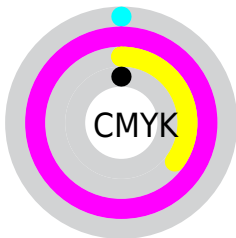
Blue (65%)



Red (100%)

Yellow (0%)

Blue (65%)

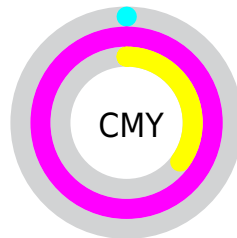


Cyan (0%)

Magenta (100%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0315, 23.9766, 37.6937 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 48.0315, 23.9766, 37.6937 by changing the saturation by 10% instead.


 48.0315, 23.9766,
37.6937

 48.0315, 23.9766,
37.6937

369.4975,
272.7022, 351.5629


 34.0632, 15.3163,
25.4451


 86.4607, 49.9920,
72.8366


 23.1053, 9.0416,
16.1869


 111.6523, 68.1159,
96.5680


 14.7924, 4.7684,
9.5007


 141.3158, 90.1630,
124.9640

 8.7592, 2.1120,
4.9680

 175.8163,
116.5179, 158.4432

 4.6403, 0.6714,
2.1701

 215.5195,
147.5648, 197.4242

 2.0704, 0.0000,
0.6570

260.7904,

 0.6730, 0.0000,

183.6883, 242.3254

0.0000

311.9947,
225.2726, 293.5655

■ 0.0000, 0.0000,
0.0000

■ 48.0315, 23.9766,
37.6937

■ 48.0315, 23.9766,
37.6937

■ 48.0296, 23.9758,
37.6834

■ 49.2400, 25.0356,
42.2828

■ 50.9742, 27.0521,
47.3372

■ 53.3785, 30.3127,
52.9107

■ 56.5411, 34.9923,
59.0380

■ 60.5363, 41.2379,
65.7491

■ 65.4292, 49.1778,
73.0707

■ 71.2781, 58.9271,
81.0272

■ 78.1361, 70.5905,
89.6413

■ 86.0525, 84.2650,
98.9339

Harmonies

Analogous

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



41.2072, 23.9766, 82.1626



48.0315, 23.9766, 37.6937



46.7231, 23.9766, 11.4660

Triad

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



48.0315, 23.9766, 37.6937



16.8386, 23.9766, 0.8862



12.2829, 23.9766, 96.4129

Complementary

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



48.0315, 23.9766, 37.6937



37.6088, 72.2596, 21.6519

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.



8.8513, 23.9766, 49.7594



48.0315, 23.9766, 37.6937



10.8861, 23.9766, 3.9873

Square

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



48.0315, 23.9766, 37.6937



26.5397, 23.9766, 0.6310



8.4306, 23.9766, 17.1765



19.4095, 23.9766, 129.4722

Rectangle

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



48.0315, 23.9766, 37.6937



41.5100, 23.9766, 4.1891



8.4306, 23.9766, 17.1765



10.7622, 23.9766, 80.6798

Sweetspot

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



48.0322, 23.9780, 37.6941



71.2628, 58.9012, 81.0072



22.1984, 9.3596, 95.2443



14.6999, 11.6792, 16.6041



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.



48.0322, 23.9780, 37.6941



48.0296, 23.9758, 37.6834



41.5954, 21.4032, 3.7983



18.5044, 18.1851, 21.2733



25.1701, 12.5573, 20.0779



2.5027, 1.2434, 2.2284

Inverse Universe

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



48.0322, 23.9780, 37.6941



48.0296, 23.9758, 37.6834



48.2538, 76.5176, 77.7077



18.5044, 18.1851, 21.2733



25.1701, 12.5573, 20.0779



2.5027, 1.2434, 2.2284

Previews

White Background



This preview shows how the XYZ color 48.0315, 23.9766, 37.6937 looks on a white background.

Color Contrast Check

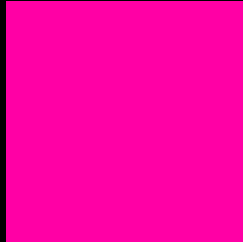
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.0315, 23.9766, 37.6937 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 48.0315, 23.9766, 37.6937

Background



This preview shows how black text looks on a background with the XYZ color 48.0315, 23.9766, 37.6937.



This preview shows how white text looks on a background with the XYZ color 48.0315, 23.9766,

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

48.0315, 23.9766, 37.6937

Protanopia

27.5114, 24.6825, 82.6711

Deuteranopia

24.8992, 24.4111, 33.9713



Tritanopia

42.0006, 24.3377, 7.9528

Trichromacy



Original Color

48.0315, 23.9766, 37.6937



Protanomaly

27.1976, 17.3834, 62.8946



Deuteranomaly

28.6333, 18.7544, 34.4586



Tritanomaly

43.0248, 23.0744, 15.0181

Monochromacy



Original Color

48.0315, 23.9766, 37.6937



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.1429, 11.3601, 19.0058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0315, 23.9766, 37.6937 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 165) }
```

Border

The CSS property to change the border of an element to XYZ 48.0315, 23.9766, 37.6937 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, 165) }
```


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

```
.border{ border-color:rgb(255, 0, 165) }
```

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, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0315, 23.9766, 37.6937 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, 165) }
```

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

```
.background{ background-color: rgb(255, 0,  
165) }
```

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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