

Converting Colors

XYZ(47.6951, 23.8421, 35.9223)

Have a look what the booklet for
XYZ(47.6951, 23.8421, 35.9223)
contains.

XYZ(47.6730, 23.8332, 35.8058)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.6730, 23.8332,
35.8058)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00A1
RGB	255, 0, 161
RGB Percent	100%, 0%, 63%
CMY	0.0000, 0.9998, 0.3686
CMYK	0.00, 1.00, 0.37, 0.00
HSL	322°, 100%, 50%
HSV	322°, 100%, 100%
XYZ	47.6730, 23.8332, 35.8058
YIQ	94.5990, 100.2990, 104.1310

Conversions

Conversions Part 2

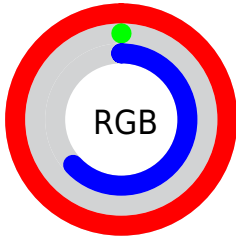
Format	Color
R_{YB}	255, 0, 161
Decimal	16711841
CIE _{Lab}	55.92, 87.26, -14.05
CIE _{LCh}	56, 88.388, 350.856
Yxy	23.8332, 0.4442, 0.2221
Android (android.graphics.Color)	4294901921 (0xFFFF00A1)
YUV	94.5990, 32.7357, 140.6717
Hunter-Lab	48.8193, 88.8752, -9.3119

Details

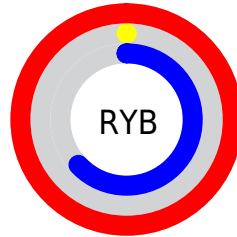
The XYZ color **47.6730, 23.8332, 35.8058** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **37.7839, 72.3296, 22.5738**, and the grayscale version is **10.6976, 11.2547, 12.2564**.

A 20% lighter version of the original color is **58.2884, 35.5252, 68.7507**, and **24.4985, 12.3106, 15.5530** is the 20% darker color. If you saturate the color by 10%, you get **47.6710, 23.8324, 35.7953**, and if you desaturate by 10%, it is **48.8936, 24.8971, 40.4588**.

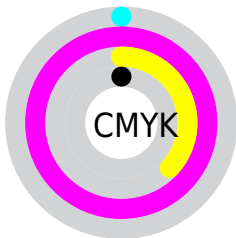
Distribution



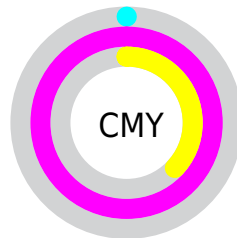
- Red (100%)
- Green (0%)
- Blue (63%)



- Red (100%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6730, 23.8332, 35.8058 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 47.6730, 23.8332, 35.8058 by changing the saturation by 10% instead.

 47.6730, 23.8332,
35.8058


 47.6730, 23.8332,
35.8058


368.0987,
271.9761, 343.1226


 33.7782, 15.2099,
23.9957

 85.9300, 49.7579,
69.8979


 22.8853, 8.9669,
15.1183


 111.0228, 67.8281,
93.0170


 14.6291, 4.7196,
8.7549


 140.5791, 89.8160,
120.7429

 8.6441, 2.0837,
4.4870

 174.9641,
116.1061, 153.4940

 4.5650, 0.6554,
1.8962

 214.5432,
147.0828, 191.6891

 2.0265, 0.0000,
0.4903

259.6818,

 0.6488, 0.0000,

183.1304, 235.7465

0.0000

310.7452,
224.6334, 286.0848

■ 0.0000, 0.0000,
0.0000

■ 47.6730, 23.8332,
35.8058

■ 47.6730, 23.8332,
35.8058

■ 47.6710, 23.8324,
35.7953

■ 48.8936, 24.8971,
40.4588

■ 50.6449, 26.9204,
45.6027

■ 53.0711, 30.1898,
51.2921

■ 56.2610, 34.8804,
57.5626

■ 60.2888, 41.1390,
64.4450

■ 65.2197, 49.0941,
71.9669

■ 71.1122, 58.8609,
80.1533

■ 78.0197, 70.5441,
89.0276

■ 85.9915, 84.2408,
98.6116

Harmonies

Analogous

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



41.2480, 23.8332, 79.1081



47.6730, 23.8332, 35.8058



46.0122, 23.8332, 10.7836

Triad

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



47.6730, 23.8332, 35.8058



16.4310, 23.8332, 0.9661



12.4905, 23.8332, 97.1636

Complementary

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



47.6730, 23.8332, 35.8058



37.7839, 72.3296, 22.5738

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.



8.9419, 23.8332, 51.1439



47.6730, 23.8332, 35.8058



10.7034, 23.8332, 4.3182

Square

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



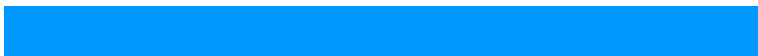
47.6730, 23.8332, 35.8058



25.8736, 23.8332, 0.6397



8.4025, 23.8332, 18.0928



19.7109, 23.8332, 128.3371

Rectangle

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



47.6730, 23.8332, 35.8058



40.6958, 23.8332, 3.9453



8.4025, 23.8332, 18.0928



10.9307, 23.8332, 81.8079

Sweetspot

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



47.6737, 23.8346, 35.8062



71.0967, 58.8348, 80.1325



22.6197, 9.5767, 95.2640



14.6602, 11.6633, 16.3954



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.



47.6737, 23.8346, 35.8062



47.6710, 23.8324, 35.7953



41.5302, 21.3771, 3.4548



18.4919, 18.1801, 21.2074



24.9836, 12.4827, 19.0961



2.4853, 1.2365, 2.1370

Inverse Universe

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



47.6737, 23.8346, 35.8062



47.6710, 23.8324, 35.7953



48.8130, 76.7413, 80.6522



18.4919, 18.1801, 21.2074



24.9836, 12.4827, 19.0961



2.4853, 1.2365, 2.1370

Previews

White Background



This preview shows how the XYZ color 47.6730, 23.8332, 35.8058 looks on a white background.

Color Contrast Check

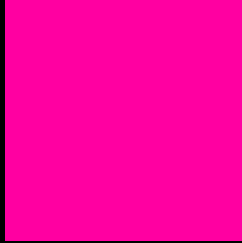
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.6730, 23.8332, 35.8058 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 47.6730, 23.8332, 35.8058

Background



This preview shows how black text looks on a background with the XYZ color 47.6730, 23.8332, 35.8058.



This preview shows how white text looks on a background with the XYZ color 47.6730, 23.8332,

35.8058.

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

47.6730, 23.8332, 35.8058

Protanopia

27.1893, 24.5992, 78.9164

Deuteranopia

24.9116, 24.4553, 32.2615



Tritanopia

41.8837, 24.1999, 7.6178

Trichromacy



Original Color

47.6730, 23.8332, 35.8058



Protanomaly

27.2598, 17.4723, 60.3283



Deuteranomaly

28.5315, 18.7410, 32.6855



Tritanomaly

42.9256, 23.0347, 14.4956

Monochromacy



Original Color

47.6730, 23.8332, 35.8058



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 47.6730, 23.8332, 35.8058 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 161) }
```

Border

The CSS property to change the border of an element to XYZ 47.6730, 23.8332, 35.8058 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, 161) }
```


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

```
.border{ border-color:rgb(255, 0, 161) }
```

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, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6730, 23.8332, 35.8058 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, 161) }
```

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

```
.background{ background-color: rgb(255, 0,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor