

Converting Colors

XYZ(48.7790, 24.7425, 40.1903)

Have a look what the booklet for
XYZ(48.7790, 24.7425, 40.1903)
contains.

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Color

**XYZ(48.7826, 24.7361,
40.2336)**

Conversions

Conversions Part 1

Format	Color
Hex	FF16AA
RGB	255, 22, 170
RGB Percent	100%, 9%, 67%
CMY	0.0000, 0.9136, 0.3333
CMYK	0.00, 0.91, 0.33, 0.00
HSL	322°, 100%, 54%
HSV	322°, 91%, 100%
XYZ	48.7826, 24.7361, 40.2336
YIQ	108.5390, 91.3600, 95.4240

Conversions

Conversions Part 2

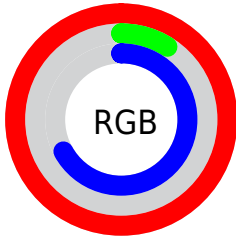
Format	Color
R_{YB}	255, 22, 170
Decimal	16717482
CIE _{Lab}	56.82, 86.46, -17.97
CIE _{LCh}	57, 88.304, 348.258
Yxy	24.7361, 0.4288, 0.2175
Android (android.graphics.Color)	4294907562 (0xFFFF16AA)
YUV	108.5390, 30.3003, 128.4463
Hunter-Lab	49.7354, 88.0435, -13.1480

Details

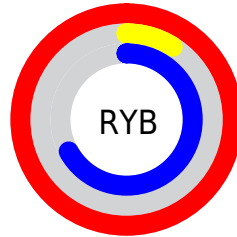
The XYZ color **48.7826, 24.7361, 40.2336** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **38.7473, 72.7532, 25.9202**, and the grayscale version is **14.3101, 15.0553, 16.3952**.

A 20% lighter version of the original color is **59.9846, 37.0043, 75.2152**, and **25.2623, 12.6455, 18.2489** is the 20% darker color. If you saturate the color by 10%, you get **47.7581, 23.8672, 36.2537**, and if you desaturate by 10%, it is **50.4455, 26.6031, 45.2855**.

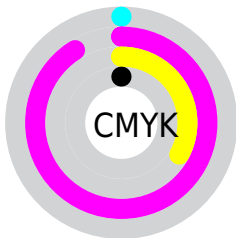
Distribution



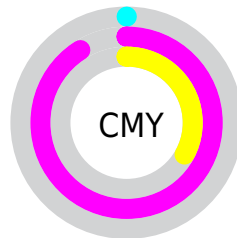
- Red (100%)
- Green (9%)
- Blue (67%)



- Red (100%)
- Yellow (9%)
- Blue (67%)



- Cyan (0%)
- Magenta (91%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7826, 24.7361, 40.2336 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 48.7826, 24.7361, 40.2336 by changing the saturation by 10% instead.


 48.7826, 24.7361,
40.2336

 48.7826, 24.7361,
40.2336


372.4170,
276.5211, 362.6885

 34.6609, 15.8806,
27.4056

 87.5711, 51.2288,
76.7601


 23.5671, 9.4397,
17.6429


 112.9687, 69.6347,
101.2956


 15.1358, 5.0291,
10.5271


 142.8555, 91.9929,
130.5707

 9.0017, 2.2643,
5.6397

 177.5971,
118.6877, 165.0039

 4.7994, 0.7547,
2.5620

 217.5586,
150.1035, 205.0137

 2.1636, 0.0000,
0.8728

263.1056,

 0.7234, 0.0000,

186.6248, 251.0187

0.0000

314.6032,
228.6358, 303.4375

■ 0.0000, 0.0000,
0.0000

■ 48.7826, 24.7361,
40.2336

■ 48.7826, 24.7361,
40.2336

■ 47.7581, 23.8672,
36.2537

■ 50.4455, 26.6031,
45.2855

■ 52.7677, 29.6869,
50.8704

■ 55.8409, 34.1691,
57.0251

■ 59.7410, 40.1997,
63.7807

■ 64.5344, 47.9095,
71.1649

70.2802, 57.4150,
79.2030

77.0324, 68.8225,
87.9183

84.8408, 82.2299,
97.3326

93.7518, 97.7282,
107.4665

Harmonies

Analogous

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



41.6431, 24.7361, 85.2548



48.7826, 24.7361, 40.2336



47.8391, 24.7361, 12.7638

Triad

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



48.7826, 24.7361, 40.2336



17.8259, 24.7361, 0.9861



12.6195, 24.7361, 95.4853

Complementary

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



48.7826, 24.7361, 40.2336



38.7473, 72.7532, 25.9202

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.



9.2526, 24.7361, 48.9498



48.7826, 24.7361, 40.2336



11.5952, 24.7361, 4.0489

Square

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



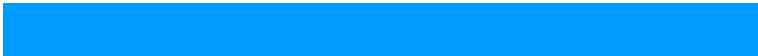
48.7826, 24.7361, 40.2336



27.7850, 24.7361, 0.8043



8.9426, 24.7361, 16.9442



19.6993, 24.7361, 129.6882

Rectangle

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



48.7826, 24.7361, 40.2336



42.7889, 24.7361, 4.8444



8.9426, 24.7361, 16.9442



11.1177, 24.7361, 79.6742

Sweetspot

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



48.7833, 24.7375, 40.2340



73.0965, 62.1474, 82.9171



23.9971, 10.7127, 95.4107



15.1699, 12.5020, 17.1226



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.



48.7833, 24.7375, 40.2340



47.7581, 23.8672, 36.2537



42.2656, 22.1304, 5.9122



18.4950, 18.1813, 21.2236



25.0289, 12.5009, 19.3345



2.4895, 1.2382, 2.1593

Inverse Universe

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



48.7833, 24.7375, 40.2340



47.7581, 23.8672, 36.2537



49.0173, 76.8612, 80.0008



18.4950, 18.1813, 21.2236



25.0289, 12.5009, 19.3345



2.4895, 1.2382, 2.1593

Previews

White Background



This preview shows how the XYZ color 48.7826, 24.7361, 40.2336 looks on a white background.

Color Contrast Check

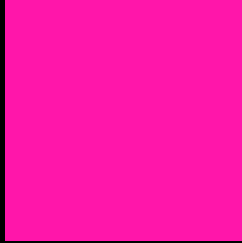
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.7826, 24.7361, 40.2336 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 48.7826, 24.7361, 40.2336

Background



This preview shows how black text looks on a background with the XYZ color 48.7826, 24.7361, 40.2336.



This preview shows how white text looks on a background with the XYZ color 48.7826, 24.7361,

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

48.7826, 24.7361, 40.2336

Protanopia

28.4268, 25.4758, 86.6382

Deuteranopia

25.5983, 25.1288, 36.3021



Tritanopia

42.3647, 24.8639, 8.6972

Trichromacy



Original Color

48.7826, 24.7361, 40.2336



Protanomaly

28.5745, 19.1246, 66.4753



Deuteranomaly

29.8166, 20.4181, 37.0199



Tritanomaly

43.7184, 24.0479, 16.5249

Monochromacy



Original Color

48.7826, 24.7361, 40.2336



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

21.6509, 14.6278, 23.1551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7826, 24.7361, 40.2336 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, 22, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 22, 170)  
}
```

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, 22, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 22, 170) }
```

Border

The CSS property to change the border of an element to XYZ 48.7826, 24.7361, 40.2336 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, 22, 170) }
```


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

```
.border{ border-color:rgb(255, 22, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 22, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 22, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 22, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 22,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7826, 24.7361, 40.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 22, 170) }
```

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

```
.background{ background-color: rgb(255, 22,  
170) }
```

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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