

Converting Colors

XYZ(48.2852, 24.7444, 36.9755)

Have a look what the booklet for
XYZ(48.2852, 24.7444, 36.9755)
contains.

XYZ(48.2661, 24.7349, 36.8807)	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(48.2661, 24.7349,
36.8807)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1CA3
RGB	255, 28, 163
RGB Percent	100%, 11%, 64%
CMY	0.0000, 0.8901, 0.3608
CMYK	0.00, 0.89, 0.36, 0.00
HSL	324°, 100%, 55%
HSV	324°, 89%, 100%
XYZ	48.2661, 24.7349, 36.8807
YIQ	111.2630, 91.9570, 90.1090

Conversions

Conversions Part 2

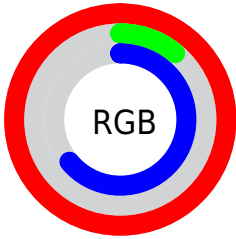
Format	Color
R_{YB}	255, 28, 163
Decimal	16719011
CIE _{Lab}	56.82, 85.04, -13.87
CIE _{LCh}	57, 86.167, 350.737
Yxy	24.7349, 0.4393, 0.2251
Android (android.graphics.Color)	4294909091 (0xFFFF1CA3)
YUV	111.2630, 25.5063, 126.0573
Hunter-Lab	49.7342, 86.1961, -9.1529

Details

The XYZ color **48.2661, 24.7349, 36.8807** 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 **39.6317, 73.1240, 29.8044**, and the grayscale version is **15.1000, 15.8863, 17.3002**.

A 20% lighter version of the original color is **59.2575, 37.0471, 70.3573**, and **24.6075, 12.3542, 16.1266** is the 20% darker color. If you saturate the color by 10%, you get **46.9895, 23.6037, 32.0711**, and if you desaturate by 10%, it is **50.1128, 26.8850, 42.2541**.

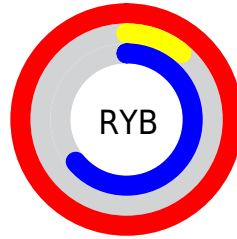
Distribution



Red (100%)

Green (11%)

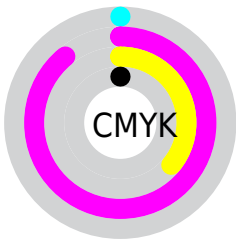
Blue (64%)



Red (100%)

Yellow (11%)

Blue (64%)

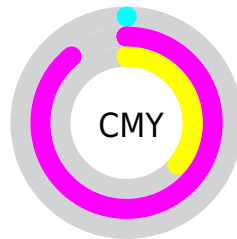


Cyan (0%)

Magenta (89%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2661, 24.7349, 36.8807 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 48.2661, 24.7349, 36.8807 by changing the saturation by 10% instead.


 48.2661, 24.7349,
36.8807


 48.2661, 24.7349,
36.8807


370.4110,
276.5151, 347.9469


 34.2498, 15.8797,
24.8201


 86.8078, 51.2268,
71.5735


 23.2494, 9.4390,
15.7253


 112.0638, 69.6323,
95.0428


 14.8994, 5.0286,
9.1777


 141.7972, 91.9900,
123.1521

 8.8347, 2.2641,
4.7589

 176.3732,
118.6842, 156.3199

 4.6898, 0.7546,
2.0502

 216.1573,
150.0995, 194.9647

 2.0993, 0.0000,
0.5859

261.5147,

 0.6888, 0.0000,

186.6201, 239.5051

0.0000

312.8108,
228.6306, 290.3596

■ 0.0000, 0.0000,
0.0000

■ 48.2661, 24.7349,
36.8807

■ 48.2661, 24.7349,
36.8807

■ 46.9895, 23.6037,
32.0711

■ 50.1128, 26.8850,
42.2541

■ 46.8779, 23.5151,
31.6189

■ 52.6556, 30.3033,
48.2415

■ 55.9824, 35.1632,
54.8807

■ 60.1672, 41.6096,
62.2042

■ 65.2746, 49.7696,
70.2414

71.3630, 59.7573,
79.0195

78.4857, 71.6771,
88.5636

86.6921, 85.6251,
98.8972

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



41.9140, 24.7349, 79.4799



48.2661, 24.7349, 36.8807



46.6656, 24.7349, 11.6821

Triad

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



48.2661, 24.7349, 36.8807



17.2986, 24.7349, 1.2370



13.2612, 24.7349, 96.7250

Complementary

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



48.2661, 24.7349, 36.8807



39.6317, 73.1240, 29.8044

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.



9.6527, 24.7349, 51.7257



48.2661, 24.7349, 36.8807



11.4789, 24.7349, 4.8737

Square

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



48.2661, 24.7349, 36.8807



26.7663, 24.7349, 0.9030



9.1097, 24.7349, 18.9558



20.5287, 24.7349, 127.1090

Rectangle

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



48.2661, 24.7349, 36.8807



41.4450, 24.7349, 4.5323



9.1097, 24.7349, 18.9558



11.6786, 24.7349, 81.7499

Sweetspot

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



48.2668, 24.7363, 36.8811



72.7084, 61.9922, 80.8735



26.0488, 11.9610, 95.5435



15.0782, 12.4653, 16.6393



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.



48.2668, 24.7363, 36.8811



46.8779, 23.5152, 31.6189



42.2475, 22.3286, 5.1837



18.4628, 18.1684, 21.0541



24.5706, 12.3175, 16.9213



2.4465, 1.2210, 1.9328

Inverse Universe

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



48.2668, 24.7363, 36.8811



46.8779, 23.5152, 31.6189



50.8483, 77.6107, 88.8701



18.4628, 18.1684, 21.0541



24.5706, 12.3175, 16.9213



2.4465, 1.2210, 1.9328

Previews

White Background



This preview shows how the XYZ color 48.2661, 24.7349, 36.8807 looks on a white background.

Color Contrast Check

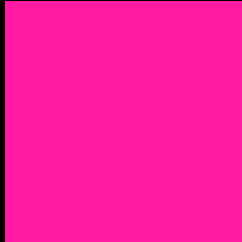
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.2661, 24.7349, 36.8807 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 48.2661, 24.7349, 36.8807

Background



This preview shows how black text looks on a background with the XYZ color 48.2661, 24.7349, 36.8807.



This preview shows how white text looks on a background with the XYZ color 48.2661, 24.7349,

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

48.2661, 24.7349, 36.8807

Protanopia

27.7378, 25.3048, 78.2853

Deuteranopia

25.3827, 24.8817, 33.1706



Tritanopia

42.2714, 24.7289, 8.5064

Trichromacy



Original Color

48.2661, 24.7349, 36.8807



Protanomaly

28.5592, 19.5107, 60.6532



Deuteranomaly

29.8601, 20.7751, 33.8887



Tritanomaly

43.5555, 24.0549, 15.4441

Monochromacy



Original Color

48.2661, 24.7349, 36.8807



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

22.0760, 15.2831, 22.9055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2661, 24.7349, 36.8807 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, 28, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 28, 163)  
}
```

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, 28, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 163) }
```

Border

The CSS property to change the border of an element to XYZ 48.2661, 24.7349, 36.8807 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, 28, 163) }
```


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

```
.border{ border-color:rgb(255, 28, 163) }
```

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

Here you see how a box with a 4 pixel rgb(255, 28, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 28,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2661, 24.7349, 36.8807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 28, 163) }
```

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

```
.background{ background-color: rgb(255, 28,  
163) }
```

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