

Converting Colors

XYZ(24.2234, 12.8948, 36.1622)

Have a look what the booklet for
XYZ(24.2234, 12.8948, 36.1622)
contains.

XYZ(24.2884, 12.9241, 36.3364)	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(24.2884, 12.9241,
36.3364)**

Conversions

Conversions Part 1

Format	Color
Hex	AB29A4
RGB	171, 41, 164
RGB Percent	67%, 16%, 64%
CMY	0.3294, 0.8392, 0.3569
CMYK	0.00, 0.76, 0.04, 0.33
HSL	303°, 61%, 42%
HSV	303°, 76%, 67%
XYZ	24.2884, 12.9241, 36.3364
YIQ	93.8920, 37.9970, 65.8130

Conversions

Conversions Part 2

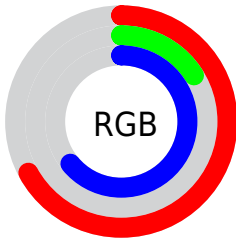
Format	Color
R_{YB}	171, 41, 164
Decimal	11217316
CIE _{Lab}	42.65, 64.49, -37.61
CIE _{LCh}	43, 74.658, 329.753
Yxy	12.9241, 0.3302, 0.1757
Android (android.graphics.Color)	4289407396 (0xFFAB29A4)
YUV	93.8920, 34.5632, 67.6237
Hunter-Lab	35.9501, 57.6844, -34.7620

Details

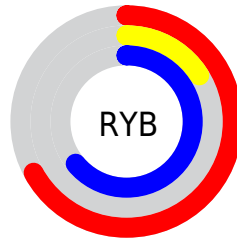
The XYZ color **24.2884, 12.9241, 36.3364** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.0115, 29.8113, 7.7073**, and the grayscale version is **10.5293, 11.0777, 12.0636**.

A 20% lighter version of the original color is **49.7530, 31.0798, 70.3946**, and **9.9949, 4.8147, 15.7318** is the 20% darker color. If you saturate the color by 10%, you get **23.7375, 11.9547, 35.7440**, and if you desaturate by 10%, it is **25.0977, 14.4086, 37.0181**.

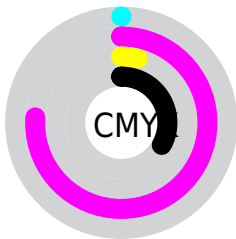
Distribution



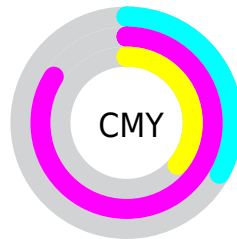
- Red (67%)
- Green (16%)
- Blue (64%)



- Red (67%)
- Yellow (16%)
- Blue (64%)



- Cyan (0%)
- Magenta (76%)
- Yellow (4%)
- Black (33%)





- Cyan (33%)
- Magenta (84%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2884, 12.9241, 36.3364 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 24.2884, 12.9241, 36.3364 by changing the saturation by 10% instead.


 24.2884, 12.9241,
36.3364


 24.2884, 12.9241,
36.3364


266.6888,
210.4307, 345.5103


 15.6736, 7.3763,
24.4024


 49.9517, 31.1674,
70.7259


 9.3829, 3.6985,
15.4174


 67.7308, 44.6316,
94.0184


 5.0508, 1.5064,
8.9630


 89.2955, 61.5035,
121.9341

 2.3122, 0.2932,
4.6206

 115.0110, 82.1673,
154.8916

 0.8009, 0.0000,
1.9716

 145.2428,
107.0076, 193.3095

 0.0000, 0.0000,
0.5377

 180.3561,

 0.0000, 0.0000,

136.4086, 237.6062

0.0000

220.7163,
170.7549, 288.2002

■ 24.2884, 12.9241,
36.3364

■ 24.2884, 12.9241,
36.3364

■ 23.7375, 11.9547,
35.7440

■ 25.0977, 14.4086,
37.0181

■ 23.4044, 11.4201,
35.2270

■ 26.1934, 16.4656,
37.7982

■ 23.2980, 11.2593,
35.0308

■ 27.6018, 19.1468,
38.6854

■ 29.3455, 22.4977,
39.6875

■ 31.4451, 26.5594,
40.8112

■ 33.9196, 31.3700,
42.0628

■ 36.7866, 36.9647,
43.4483

■ 40.0627, 43.3764,
44.9731

■ 43.7633, 50.6363,
46.6425

Harmonies

Analogous

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



18.5153, 12.9241, 62.1843



24.2884, 12.9241, 36.3364



26.6979, 12.9241, 14.2069

Triad

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



24.2884, 12.9241, 36.3364



12.3309, 12.9241, 0.0000



5.0508, 12.9241, 35.9002

Complementary

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



24.2884, 12.9241, 36.3364



16.0115, 29.8113, 7.7073

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.



4.2983, 12.9241, 13.9382



24.2884, 12.9241, 36.3364



7.6358, 12.9241, 0.6094

Square

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



24.2884, 12.9241, 36.3364



18.6223, 12.9241, 0.6319



5.0768, 12.9241, 3.4867



7.5768, 12.9241, 61.8232

Rectangle

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



24.2884, 12.9241, 36.3364



25.6379, 12.9241, 5.9479



5.0768, 12.9241, 3.4867



4.6242, 12.9241, 27.4536

Sweetspot

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



24.2889, 12.9247, 36.3367



57.4077, 49.6853, 73.6528



9.3397, 5.1430, 39.0292



12.4762, 10.4476, 16.2563



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.2889, 12.9247, 36.3367



42.0829, 20.7071, 63.3920



19.8643, 11.1549, 13.0372



8.3182, 8.1405, 9.9863



17.5693, 8.4903, 26.4409



0.4943, 0.2384, 0.7646

Inverse Universe

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



24.2889, 12.9247, 36.3367



42.0829, 20.7071, 63.3920



18.4306, 30.7790, 20.4461



8.3182, 8.1405, 9.9863



17.5693, 8.4903, 26.4409



0.4943, 0.2384, 0.7646

Previews

White Background



This preview shows how the XYZ color 24.2884, 12.9241, 36.3364 looks on a white background.

Color Contrast Check

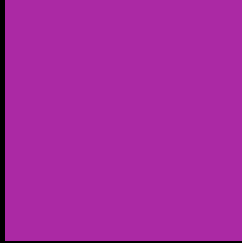
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.2884, 12.9241, 36.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

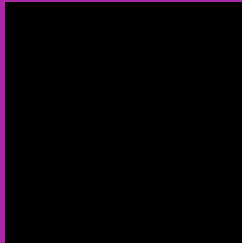
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2884, 12.9241, 36.3364

Background



This preview shows how black text looks on a background with the XYZ color 24.2884, 12.9241, 36.3364.



This preview shows how white text looks on a background with the XYZ color 24.2884, 12.9241,

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

24.2884, 12.9241, 36.3364

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.4717, 13.1698, 32.8423



Tritanopia

18.6580, 12.9965, 8.7329

Trichromacy



Original Color

24.2884, 12.9241, 36.3364



Protanomaly

14.1549, 10.1377, 51.0799



Deuteranomaly

15.3979, 11.3756, 33.7319



Tritanomaly

19.9461, 12.4409, 15.8181

Monochromacy



Original Color

24.2884, 12.9241, 36.3364



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

13.8719, 10.5016, 18.7487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2884, 12.9241, 36.3364 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(171, 41, 164)` looks like.

```
.text, #text, p{  
    color:rgb(171, 41, 164)  
}
```

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(171, 41, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 41, 164) }
```

Border

The CSS property to change the border of an element to XYZ 24.2884, 12.9241, 36.3364 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(171, 41, 164) }
```


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

```
.border{ border-color:rgb(171, 41, 164) }
```

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

Here you see how a box with a 4 pixel rgb(171, 41, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 41, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 41, 164);  
box-shadow:4px 4px 4px 4px rgb(171, 41,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2884, 12.9241, 36.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 41, 164) }
```

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

```
.background{ background-color: rgb(171, 41,  
164) }
```

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