

Converting Colors

XYZ(42.9174, 24.8601, 71.6437)

Have a look what the booklet for
XYZ(42.9174, 24.8601, 71.6437)
contains.

XYZ(42.9174, 24.8601, 71.6437)	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(42.9174, 24.8601,
71.6437)**

Conversions

Conversions Part 1

Format	Color
Hex	D350DE
RGB	211, 80, 222
RGB Percent	83%, 31%, 87%
CMY	0.1725, 0.6863, 0.1294
CMYK	0.05, 0.64, 0.00, 0.13
HSL	295°, 68%, 59%
HSV	295°, 64%, 87%
XYZ	42.9174, 24.8601, 71.6437
YIQ	135.3570, 32.4940, 71.9340

Conversions

Conversions Part 2

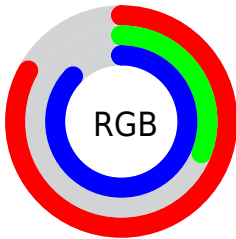
Format	Color
R _{YB}	211, 80, 222
Decimal	13848798
CIE Lab	56.94, 69.20, -48.20
CIE LCh	57, 84.330, 325.142
Yxy	24.8601, 0.3078, 0.1783
Android (android.graphics.Color)	4292038878 (0xFFD350DE)
YUV	135.3570, 42.7150, 66.3389
Hunter-Lab	49.8599, 66.3908, -50.2919

Details

The XYZ color **42.9174, 24.8601, 71.6437** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **31.8844, 55.0465, 16.5350**, and the grayscale version is **23.0006, 24.1984, 26.3520**.

A 20% lighter version of the original color is **68.2357, 46.3713, 99.9619**, and **20.0198, 9.5255, 36.8598** is the 20% darker color. If you saturate the color by 10%, you get **41.0625, 21.8770, 71.1660**, and if you desaturate by 10%, it is **45.3162, 28.9216, 72.3016**.

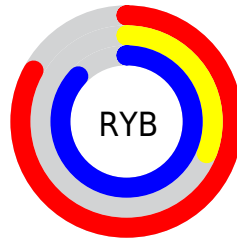
Distribution



Red (83%)

Green (31%)

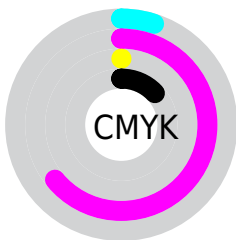
Blue (87%)



Red (83%)

Yellow (31%)

Blue (87%)

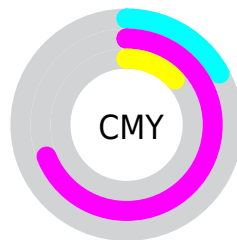


Cyan (5%)

Magenta (64%)

Yellow (0%)

Black (13%)



Cyan (17%)


Magenta (69%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9174, 24.8601, 71.6437 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 42.9174, 24.8601, 71.6437 by changing the saturation by 10% instead.

 42.9174, 24.8601,
71.6437

 42.9174, 24.8601,
71.6437


349.1992,
277.1405, 485.2447

 30.0146, 15.9729,
52.3826


 78.8427, 51.4302,
123.2528


 19.9978, 9.5049,
36.9258


 102.5958, 69.8818,
156.4380

 12.5017, 5.0720,
24.8547


 130.6965, 92.2903,
195.1015

 7.1609, 2.2896,
15.7508

 163.5099,
119.0402, 239.6620

 3.6102, 0.7682,
9.1955

201.4016,
150.5157, 290.5381

 1.4840, 0.0000,
4.7704

244.7368,

 0.3149, 0.0000,

187.1014, 348.1482

2.0568

293.8809,
229.1815, 412.9109

■ 0.0000, 0.0000,
0.5899

■ 0.0000, 0.0000,
0.0000

■ 42.9174, 24.8601,
71.6437

■ 42.9174, 24.8601,
71.6437

■ 41.0625, 21.8770,
71.1660

■ 45.3162, 28.9216,
72.3016

■ 39.6934, 19.8585,
70.8486


■ 48.3039, 34.1537,
73.1540


■ 38.7440, 18.6716,
70.6695

■ 51.9237, 40.6423,
74.2157


■ 38.3078, 18.2253,
70.6064


■ 56.2143, 48.4646,
75.4994

 61.2111, 57.6913,
77.0169

 66.9470, 68.3884,
78.7794

 73.4530, 80.6175,
80.7969

 79.9210, 92.7627,
82.8003

 80.4591, 93.0401,
82.8255

Harmonies

Analogous

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



32.6629, 24.8601, 112.3439



42.9174, 24.8601, 71.6437



48.0893, 24.8601, 31.9464

Triad

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



42.9174, 24.8601, 71.6437



25.2757, 24.8601, 0.9890



10.2575, 24.8601, 57.4224

Complementary

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



42.9174, 24.8601, 71.6437



31.8844, 55.0465, 16.5350

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.



9.2955, 24.8601, 22.7141



42.9174, 24.8601, 71.6437



16.4360, 24.8601, 1.6424

Square

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



42.9174, 24.8601, 71.6437



36.2472, 24.8601, 2.4623



11.2085, 24.8601, 6.3498



14.3424, 24.8601, 100.8509

Rectangle

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



42.9174, 24.8601, 71.6437



47.1450, 24.8601, 15.1900



11.2085, 24.8601, 6.3498



9.6169, 24.8601, 43.9303

Sweetspot

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



42.9184, 24.8612, 71.6442



80.1267, 72.1830, 104.3173



20.3068, 14.6060, 70.8565



16.7384, 14.6907, 22.2033



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.



42.9184, 24.8612, 71.6442



55.4602, 28.8007, 97.2438



39.5896, 23.9063, 37.1011



14.1848, 13.8788, 17.3189



22.7971, 10.8476, 41.9406



1.6117, 0.7682, 2.9086

Inverse Universe

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



34.8819, 22.0232, 12.3110



44.0173, 24.8446, 8.9293



34.1028, 55.8176, 33.4678



13.7501, 13.7177, 14.4542



17.9700, 9.2550, 1.2417



1.2608, 0.6476, 0.1663

Previews

White Background



This preview shows how the XYZ color 42.9174, 24.8601, 71.6437 looks on a white background.

Color Contrast Check

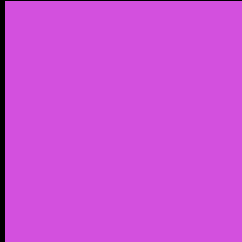
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9174, 24.8601, 71.6437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

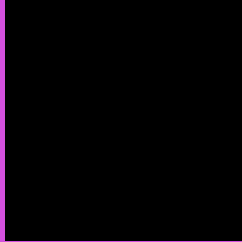
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.9174, 24.8601, 71.6437

Background



This preview shows how black text looks on a background with the XYZ color 42.9174, 24.8601, 71.6437.



This preview shows how white text looks on a background with the XYZ color 42.9174, 24.8601,

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

42.9174, 24.8601, 71.6437

Protanopia

29.1100, 25.3728, 97.9709

Deuteranopia

25.8663, 25.2415, 65.7961



Tritanopia

32.3029, 24.7066, 20.5191

Trichromacy



Original Color

42.9174, 24.8601, 71.6437



Protanomaly

30.3634, 22.7166, 87.5784



Deuteranomaly

29.2875, 22.9376, 67.8495



Tritanomaly

35.1865, 24.2112, 34.2712

Monochromacy



Original Color

42.9174, 24.8601, 71.6437



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

28.2100, 22.8380, 39.4806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9174, 24.8601, 71.6437 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(211, 80, 222)` looks like.

```
.text, #text, p{  
    color:rgb(211, 80, 222)  
}
```

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(211, 80, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 80, 222) }
```

Border

The CSS property to change the border of an element to XYZ 42.9174, 24.8601, 71.6437 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(211, 80, 222) }
```


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

```
.border{ border-color:rgb(211, 80, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 80, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 80, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 80, 222);  
box-shadow:4px 4px 4px 4px rgb(211, 80,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9174, 24.8601, 71.6437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 80, 222) }
```

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

```
.background{ background-color: rgb(211, 80,  
222) }
```

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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