

Converting Colors

XYZ(47.2726, 29.1020, 82.5090)

Have a look what the booklet for
XYZ(47.2726, 29.1020, 82.5090)
contains.

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Color

**XYZ(47.2396, 29.0876,
82.4816)**

Conversions

Conversions Part 1

Format	Color
Hex	D662EC
RGB	214, 98, 236
RGB Percent	84%, 38%, 93%
CMY	0.1608, 0.6157, 0.0745
CMYK	0.09, 0.58, 0.00, 0.07
HSL	290°, 78%, 65%
HSV	290°, 58%, 93%
XYZ	47.2396, 29.0876, 82.4816
YIQ	148.4160, 24.8380, 67.5100

Conversions

Conversions Part 2

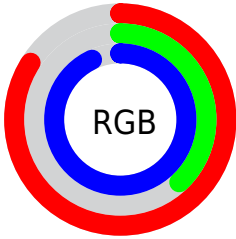
Format	Color
R_{YB}	214, 98, 236
Decimal	14050028
CIE _{Lab}	60.86, 64.77, -49.80
CIE _{LCh}	61, 81.704, 322.443
Yxy	29.0876, 0.2975, 0.1832
Android (android.graphics.Color)	4292240108 (0xFFD662EC)
YUV	148.4160, 43.1789, 57.5172
Hunter-Lab	53.9329, 61.9647, -52.9213

Details

The XYZ color **47.2396, 29.0876, 82.4816** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **39.9466, 64.8665, 21.9715**, and the grayscale version is **28.1410, 29.6065, 32.2415**.

A 20% lighter version of the original color is **70.8456, 51.5912, 100.8319**, and **22.5725, 11.7736, 43.7307** is the 20% darker color. If you saturate the color by 10%, you get **44.2630, 24.7448, 81.8007**, and if you desaturate by 10%, it is **50.8945, 34.7474, 83.3819**.

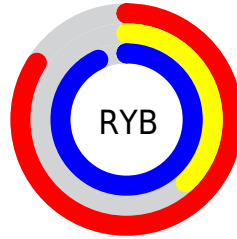
Distribution



Red (84%)

Green (38%)

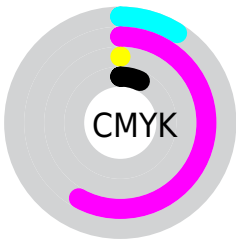
Blue (93%)



Red (84%)

Yellow (38%)

Blue (93%)

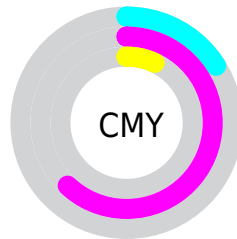


Cyan (9%)

Magenta (58%)

Yellow (0%)

Black (7%)



Cyan (16%)


Magenta (62%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2396, 29.0876, 82.4816 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 47.2396, 29.0876, 82.4816 by changing the saturation by 10% instead.


 47.2396, 29.0876,
82.4816


 47.2396, 29.0876,
82.4816

366.4031,
297.6281, 523.1829

 33.4338, 19.1471,
61.2245

 85.2877, 58.2162,
138.6919


 22.6198, 11.7766,
43.9746


 110.2608, 78.1732,
174.4821

 14.4322, 6.5918,
30.3135


 139.6871,
102.2377, 215.9538

 8.5056, 3.2081,
19.8226

 173.9318,
130.7942, 263.5255

 4.4746, 1.2413,
12.0834

213.3604,
164.2271, 317.6157

 1.9740, 0.0951,
6.6772

258.3383,

 0.6193, 0.0000,

202.9208, 378.6430

3.1857

309.2307,
247.2596, 447.0258

■ 0.0000, 0.0000,
1.1902

■ 0.0000, 0.0000,
0.0000

■ 47.2396, 29.0876,
82.4816

■ 47.2396, 29.0876,
82.4816

■ 44.2630, 24.7448,
81.8007

■ 50.8945, 34.7474,
83.3819

■ 41.9022, 21.5971,
81.3175

■ 55.2765, 41.8245,
84.5169

■ 40.0883, 19.5061,
81.0095

■ 60.4335, 50.4135,
85.9030

■ 38.7204, 18.2702,
80.8431

■ 66.4084, 60.5998,
87.5542

■ 38.5291, 18.1135,
80.8229

■ 73.2408, 72.4626,
89.4838

■ 80.9677, 86.0755,
91.7041

■ 86.9503, 96.1605,
93.3354

■ 88.2432, 96.8271,
93.3960

■ 89.5628, 97.5074,
93.4577

Harmonies

Analogous

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



36.2142, 29.0876, 122.5327



47.2396, 29.0876, 82.4816



53.2858, 29.0876, 40.0174

Triad

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



47.2396, 29.0876, 82.4816



30.4252, 29.0876, 1.8614



12.7231, 29.0876, 59.7131

Complementary

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



47.2396, 29.0876, 82.4816



39.9466, 64.8665, 21.9715

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.



11.9229, 29.0876, 24.5750



47.2396, 29.0876, 82.4816



20.5500, 29.0876, 2.5205

Square

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



47.2396, 29.0876, 82.4816



42.0837, 29.0876, 4.2316



14.3949, 29.0876, 7.7017



16.9589, 29.0876, 104.5095

Rectangle

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



47.2396, 29.0876, 82.4816



52.8183, 29.0876, 20.6516



14.3949, 29.0876, 7.7017



12.0966, 29.0876, 46.0451

Sweetspot

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



47.2407, 29.0888, 82.4822



79.4741, 72.7686, 104.4647



27.0157, 22.3288, 82.2434



16.5405, 14.7676, 22.2286



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.



47.2407, 29.0888, 82.4822



52.2041, 28.7150, 97.3988



48.2549, 30.2870, 52.0190



15.4653, 15.1851, 19.0382



21.3298, 10.0318, 44.5551



1.7381, 0.8203, 3.5016

Inverse Universe

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



42.3507, 27.9253, 20.9282



46.4065, 27.5171, 16.2180



40.0674, 64.6019, 36.7445



15.1634, 15.0932, 16.1457



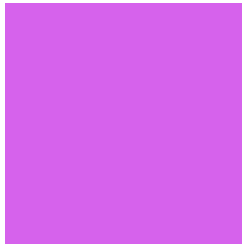
19.2878, 9.9178, 2.0512



1.5440, 0.7906, 0.3164

Previews

White Background



This preview shows how the XYZ color 47.2396, 29.0876, 82.4816 looks on a white background.

Color Contrast Check

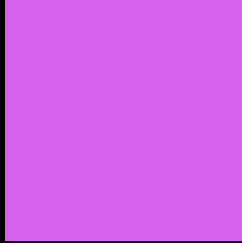
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.2396, 29.0876, 82.4816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

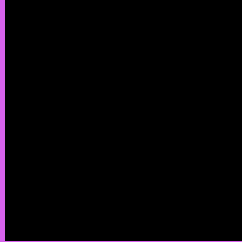
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.2396, 29.0876, 82.4816

Background



This preview shows how black text looks on a background with the XYZ color 47.2396, 29.0876, 82.4816.

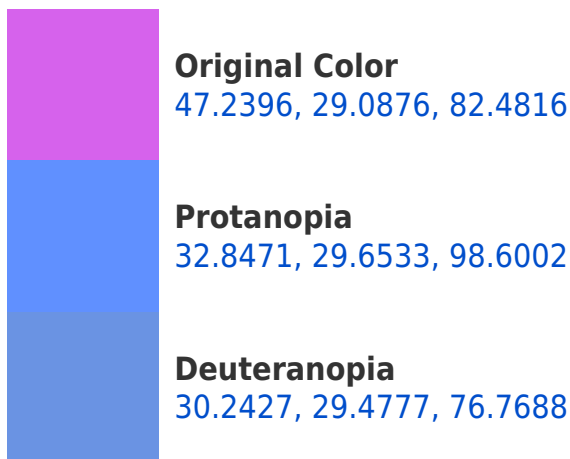


This preview shows how white text looks on a background with the XYZ color 47.2396, 29.0876,

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





Tritanopia

35.6534, 28.9503, 26.6305

Trichromacy



Original Color

47.2396, 29.0876, 82.4816



Protanomaly

35.1801, 27.4450, 92.2502



Deuteranomaly

33.8102, 27.4334, 78.3761



Tritanomaly

38.8686, 28.4485, 42.4722

Monochromacy



Original Color

47.2396, 29.0876, 82.4816



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

33.2341, 28.0312, 46.8390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2396, 29.0876, 82.4816 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(214, 98, 236)` looks like.

```
.text, #text, p{  
    color:rgb(214, 98, 236)  
}
```

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(214, 98, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 98, 236) }
```

Border

The CSS property to change the border of an element to XYZ 47.2396, 29.0876, 82.4816 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(214, 98, 236) }
```


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

```
.border{ border-color:rgb(214, 98, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 98, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 98, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 98, 236);  
box-shadow:4px 4px 4px 4px rgb(214, 98,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2396, 29.0876, 82.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 98, 236) }
```

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

```
.background{ background-color: rgb(214, 98,  
236) }
```

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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