

Converting Colors

XYZ(47.2630, 29.8639, 96.8505)

Have a look what the booklet for
XYZ(47.2630, 29.8639, 96.8505)
contains.

XYZ(47.2981, 29.8155, 97.0280)	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(47.2981, 29.8155,
97.0280)**

Conversions

Conversions Part 1

Format	Color
Hex	CA69FE
RGB	202, 105, 254
RGB Percent	79%, 41%, 100%
CMY	0.2078, 0.5882, 0.0039
CMYK	0.20, 0.59, 0.00, 0.00
HSL	279°, 99%, 70%
HSV	279°, 59%, 100%
XYZ	47.2981, 29.8155, 97.0280
YIQ	150.9890, 9.9830, 66.9030

Conversions

Conversions Part 2

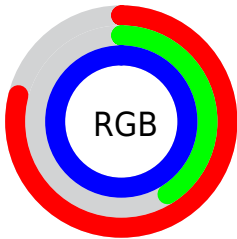
Format	Color
R _Y B	202, 105, 254
Decimal	13265406
CIE Lab	61.49, 62.19, -58.85
CIE LCh	61, 85.622, 316.582
Yxy	29.8155, 0.2716, 0.1712
Android (android.graphics.Color)	4291455486 (0xFFCA69FE)
YUV	150.9890, 50.7844, 44.7366
Hunter-Lab	54.6036, 59.0620, -67.1331

Details

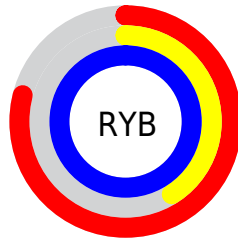
The XYZ color **47.2981, 29.8155, 97.0280** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **51.8970, 79.0723, 25.8929**, and the grayscale version is **29.1987, 30.7193, 33.4533**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **22.5637, 12.1114, 53.3731** is the 20% darker color. If you saturate the color by 10%, you get **42.7569, 24.1909, 96.1822**, and if you desaturate by 10%, it is **52.7518, 37.0580, 98.1390**.

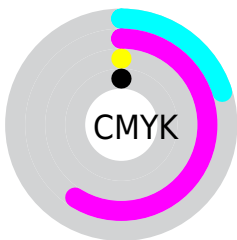
Distribution



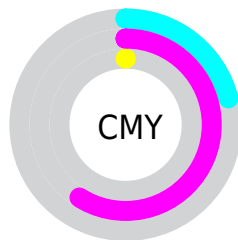
- Red (79%)
- Green (41%)
- Blue (100%)



- Red (79%)
- Yellow (41%)
- Blue (100%)



- Cyan (20%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2981, 29.8155, 97.0280 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 47.2981, 29.8155, 97.0280 by changing the saturation by 10% instead.


 47.2981, 29.8155,
97.0280

 47.2981, 29.8155,
97.0280

366.6322,
301.0435, 571.7866

 33.4803, 19.6986,
73.2178


 85.3745, 59.3703,
159.0830


 22.6556, 12.1761,
53.6612

 110.3637, 79.5769,
198.1649

 14.4587, 6.8638,
37.9395


 139.8076,
103.9156, 243.1745

 8.5242, 3.3770,
25.6343

 174.0713,
132.7708, 294.5304

 4.4868, 1.3316,
16.3269

213.5203,
166.5267, 352.6509

 1.9810, 0.1655,
9.5989

258.5198,

 0.6233, 0.0000,

205.5679, 417.9548

5.0318

309.4354,
250.2787, 490.8605

■ 0.0000, 0.0000,
2.2068

■ 0.0000, 0.0000,
0.6783

■ 47.2981, 29.8155,
97.0280

■ 47.2981, 29.8155,
97.0280

■ 42.7569, 24.1909,
96.1822

■ 52.7518, 37.0580,
98.1390

■ 39.0511, 20.0374,
95.5758

■ 59.1790, 46.0408,
99.5341

■ 36.0954, 17.1864,
95.1813

■ 66.6391, 56.8782,
101.2328

■ 33.7669, 15.3958,
94.9584

■ 75.1853, 69.6737,
103.2521

■ 33.4811, 15.1935,
94.9344

■ 84.8671, 84.5229,
105.6080

94.8895, 99.9358,
108.0548

Harmonies

Analogous

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



35.0242, 29.8155, 136.5392



47.2981, 29.8155, 97.0280



55.2609, 29.8155, 49.2069

Triad

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



47.2981, 29.8155, 97.0280



33.7024, 29.8155, 1.7348



12.1636, 29.8155, 53.7321

Complementary

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



47.2981, 29.8155, 97.0280



51.8970, 79.0723, 25.8929

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.



11.9872, 29.8155, 20.0283



47.2981, 29.8155, 97.0280



22.5632, 29.8155, 1.8645

Square

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



47.2981, 29.8155, 97.0280



46.1107, 29.8155, 4.9580



15.2739, 29.8155, 5.6875



15.8445, 29.8155, 102.1735

Rectangle

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



47.2981, 29.8155, 97.0280



55.9681, 29.8155, 25.8224



15.2739, 29.8155, 5.6875



11.7348, 29.8155, 40.1568

Sweetspot

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



47.2993, 29.8167, 97.0287



76.4654, 71.2175, 104.3239



35.7985, 34.3250, 98.5050



15.8000, 14.3859, 22.1940



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.



47.2993, 29.8167, 97.0287



42.5864, 23.7569, 96.9487



60.4412, 36.9813, 80.0368



18.1413, 17.9646, 22.7613



17.8171, 8.0955, 50.0581



1.8529, 0.8491, 4.8795

Inverse Universe

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



52.0112, 33.6093, 35.6450



48.5042, 28.3561, 27.2641



45.1220, 75.4290, 32.3807



18.2711, 18.0918, 20.0447



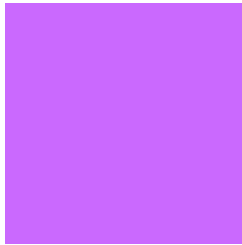
22.5542, 11.5110, 6.3031



2.2454, 1.1405, 0.8735

Previews

White Background



This preview shows how the XYZ color 47.2981, 29.8155, 97.0280 looks on a white background.

Color Contrast Check

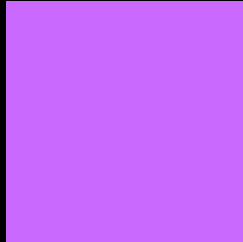
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.2981, 29.8155, 97.0280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

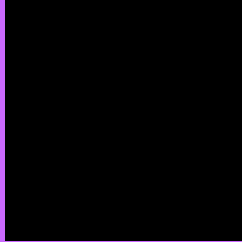
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.2981, 29.8155, 97.0280

Background



This preview shows how black text looks on a background with the XYZ color 47.2981, 29.8155, 97.0280.



This preview shows how white text looks on a background with the XYZ color 47.2981, 29.8155,

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

47.2981, 29.8155, 97.0280

Protanopia

33.3210, 30.1234, 98.6659

Deuteranopia

31.0666, 30.0659, 90.5521



Tritanopia

33.7824, 29.6866, 30.7376

Trichromacy



Original Color

47.2981, 29.8155, 97.0280



Protanomaly

36.1860, 28.4195, 98.1860



Deuteranomaly

34.2329, 28.1416, 92.4345



Tritanomaly

37.4505, 28.9945, 49.5216

Monochromacy



Original Color

47.2981, 29.8155, 97.0280



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

34.1798, 29.2271, 51.4169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2981, 29.8155, 97.0280 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(202, 105, 254)` looks like.

```
.text, #text, p{  
    color:rgb(202, 105, 254)  
}
```

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(202, 105, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 105, 254) }
```

Border

The CSS property to change the border of an element to XYZ 47.2981, 29.8155, 97.0280 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(202, 105, 254) }
```


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

```
.border{ border-color:rgb(202, 105, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 105, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 105, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 105, 254);  
box-shadow:4px 4px 4px 4px rgb(202, 105,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2981, 29.8155, 97.0280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 105, 254) }
```

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

```
.background{ background-color: rgb(202,  
105, 254) }
```

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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