

Converting Colors

XYZ(47.5306, 28.7142, 97.6450)

Have a look what the booklet for
XYZ(47.5306, 28.7142, 97.6450)
contains.

XYZ(47.5015, 28.7485, 97.6532)	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(47.5015, 28.7485,
97.6532)**

Conversions

Conversions Part 1

Format	Color
Hex	CD61FF
RGB	205, 97, 255
RGB Percent	80%, 38%, 100%
CMY	0.1961, 0.6196, 0.0000
CMYK	0.20, 0.62, 0.00, 0.00
HSL	281°, 100%, 69%
HSV	281°, 62%, 100%
XYZ	47.5015, 28.7485, 97.6532
YIQ	147.3040, 13.6500, 72.0340

Conversions

Conversions Part 2

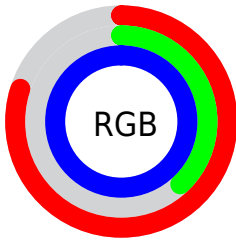
Format	Color
R_{YB}	205, 97, 255
Decimal	13459967
CIE _{Lab}	60.56, 66.79, -60.87
CIE _{LCh}	61, 90.372, 317.654
Yxy	28.7485, 0.2731, 0.1653
Android (android.graphics.Color)	4291650047 (0xFFCD61FF)
YUV	147.3040, 53.0941, 50.5994
Hunter-Lab	53.6176, 64.3078, -70.4519

Details

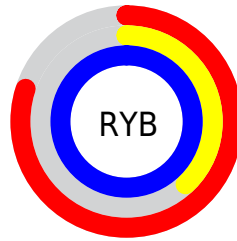
The XYZ color **47.5015, 28.7485, 97.6532** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **49.9507, 78.5863, 23.8462**, and the grayscale version is **27.6432, 29.0828, 31.6712**.

A 20% lighter version of the original color is **70.6812, 51.2625, 100.7771**, and **22.8038, 11.6205, 53.8644** is the 20% darker color. If you saturate the color by 10%, you get **43.3439, 23.6521, 96.8886**, and if you desaturate by 10%, it is **52.5330, 35.4200, 98.6757**.

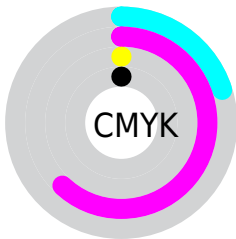
Distribution



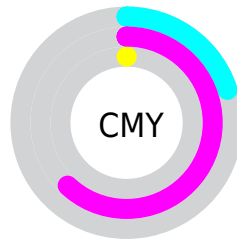
- Red (80%)
- Green (38%)
- Blue (100%)



- Red (80%)
- Yellow (38%)
- Blue (100%)



- Cyan (20%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5015, 28.7485, 97.6532 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 47.5015, 28.7485, 97.6532 by changing the saturation by 10% instead.


 47.5015, 28.7485,
97.6532


 47.5015, 28.7485,
97.6532


367.4283,
296.0265, 573.8244


 33.6419, 18.8906,
73.7362


 85.6759, 57.6773,
159.9520


 22.7802, 11.5913,
54.0826


 110.7214, 77.5170,
199.1709

 14.5511, 6.4660,
38.2741


 140.2263,
101.4527, 244.3274

 8.5892, 3.1305,
25.8920

 174.5559,
129.8690, 295.8402

 4.5292, 1.2002,
16.5178

214.0755,
163.1501, 354.1277

 2.0056, 0.0619,
9.7330

259.1506,

 0.6371, 0.0000,

201.6804, 419.6086

5.1190

310.1464,
245.8444, 492.7013

■ 0.0000, 0.0000,
2.2573

■ 0.0000, 0.0000,
0.7072

■ 47.5015, 28.7485,
97.6532

■ 47.5015, 28.7485,
97.6532

■ 43.3439, 23.6521,
96.8886

■ 52.5330, 35.4200,
98.6757

■ 39.9796, 19.9757,
96.3563

■ 58.5024, 43.7954,
99.9777

■ 37.3170, 17.5372,
96.0259

■ 65.4708, 53.9935,
101.5788

■ 35.5738, 16.2539,
95.8701

■ 73.4930, 66.1214,
103.4970

82.6196, 80.2780,
105.7484

92.8975, 96.5550,
108.3485

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.



34.7138, 28.7485, 141.2284



47.5015, 28.7485, 97.6532



55.6446, 28.7485, 47.1593

Triad

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



47.5015, 28.7485, 97.6532



32.4110, 28.7485, 1.1371



11.0295, 28.7485, 55.1289

Complementary

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



47.5015, 28.7485, 97.6532



49.9507, 78.5863, 23.8462

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.



10.7382, 28.7485, 19.4697



47.5015, 28.7485, 97.6532



21.0662, 28.7485, 1.3146

Square

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



47.5015, 28.7485, 97.6532



45.4075, 28.7485, 3.7732



13.8643, 28.7485, 4.8967



14.8208, 28.7485, 106.9212

Rectangle

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



47.5015, 28.7485, 97.6532



56.1589, 28.7485, 23.4961



13.8643, 28.7485, 4.8967



10.5679, 28.7485, 40.6702

Sweetspot

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



47.5026, 28.7496, 97.6533



76.0766, 70.0951, 104.1278



33.4195, 30.6402, 98.7605



15.7487, 14.1805, 22.1570



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.



47.5026, 28.7496, 97.6533



42.5956, 22.7919, 96.7620



59.2472, 35.3030, 75.6675



18.2008, 17.9953, 22.7641



18.7497, 8.5763, 50.1018



1.9389, 0.8935, 4.8835

Inverse Universe

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



50.7816, 31.9167, 31.0883



46.9726, 26.6983, 22.4208



44.4541, 75.5672, 31.9714



18.2462, 18.0818, 19.9135



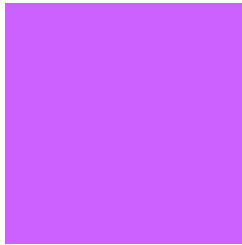
22.3782, 11.4406, 5.3763



2.2259, 1.1328, 0.7713

Previews

White Background



This preview shows how the XYZ color 47.5015, 28.7485, 97.6532 looks on a white background.

Color Contrast Check

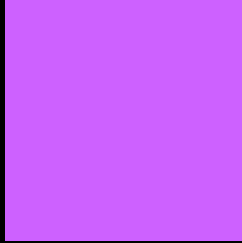
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.5015, 28.7485, 97.6532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

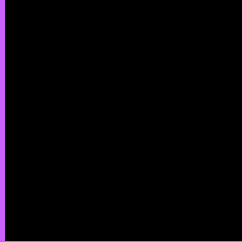
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.5015, 28.7485, 97.6532

Background



This preview shows how black text looks on a background with the XYZ color 47.5015, 28.7485, 97.6532.



This preview shows how white text looks on a background with the XYZ color 47.5015, 28.7485,

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

47.5015, 28.7485, 97.6532

Protanopia

32.4886, 29.2446, 98.5402

Deuteranopia

29.9757, 29.0378, 90.4112



Tritanopia

33.2098, 28.4235, 28.5469

Trichromacy



Original Color

47.5015, 28.7485, 97.6532



Protanomaly

35.3424, 27.2100, 97.9971



Deuteranomaly

33.2613, 26.8252, 93.0472



Tritanomaly

37.1701, 27.8036, 47.6635

Monochromacy



Original Color

47.5015, 28.7485, 97.6532



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

32.8616, 27.5705, 50.0440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5015, 28.7485, 97.6532 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(205, 97, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 97, 255)  
}
```

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(205, 97, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 97, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.5015, 28.7485, 97.6532 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(205, 97, 255) }
```


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

```
.border{ border-color:rgb(205, 97, 255) }
```

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

Here you see how a box with a 4 pixel rgb(205, 97, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 97, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 97, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 97,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5015, 28.7485, 97.6532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 97, 255) }
```

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

```
.background{ background-color: rgb(205, 97,  
255) }
```

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