

Converting Colors

XYZ(37.4691, 28.5179, 81.1923)

Have a look what the booklet for
XYZ(37.4691, 28.5179, 81.1923)
contains.

XYZ(37.4947, 28.5003, 81.3668)	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(37.4947, 28.5003,
81.3668)**

Conversions

Conversions Part 1

Format	Color
Hex	A47DEA
RGB	164, 125, 234
RGB Percent	64%, 49%, 92%
CMY	0.3569, 0.5098, 0.0824
CMYK	0.30, 0.47, 0.00, 0.08
HSL	261°, 72%, 70%
HSV	261°, 47%, 92%
XYZ	37.4947, 28.5003, 81.3668
YIQ	149.0870, -11.7450, 42.1670

Conversions

Conversions Part 2

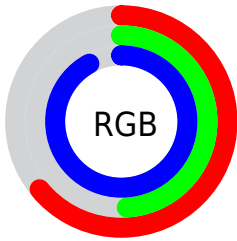
Format	Color
RYB	164, 125, 234
Decimal	10780138
CIELab	60.34, 37.66, -49.88
CIELCh	60, 62.496, 307.055
Yxy	28.5003, 0.2544, 0.1934
Android (android.graphics.Color)	4288970218 (0xFFA47DEA)
YUV	149.0870, 41.8621, 13.0787
Hunter-Lab	53.3857, 31.9421, -52.9958

Details

The XYZ color **37.4947, 28.5003, 81.3668** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **55.6308, 71.9290, 30.3547**, and the grayscale version is **28.4376, 29.9186, 32.5814**.

A 20% lighter version of the original color is **63.7892, 54.4329, 101.7523**, and **16.8586, 11.4977, 43.4502** is the 20% darker color. If you saturate the color by 10%, you get **31.9538, 21.7527, 80.3569**, and if you desaturate by 10%, it is **44.1020, 36.8344, 82.6277**.

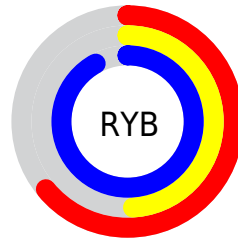
Distribution



Red (64%)

Green (49%)

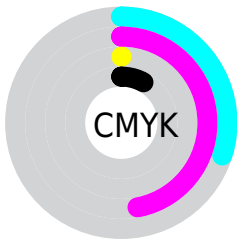
Blue (92%)



Red (64%)

Yellow (49%)

Blue (92%)

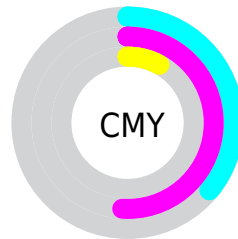


Cyan (30%)

Magenta (47%)

Yellow (0%)

Black (8%)



Cyan (36%)

Magenta (51%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4947, 28.5003, 81.3668 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 37.4947, 28.5003, 81.3668 by changing the saturation by 10% instead.

■ 37.4947, 28.5003,
81.3668

■ 37.4947, 28.5003,
81.3668

326.7658,
294.8499, 519.3549

■ 25.7662, 18.7031,
60.3110

■ 70.6419, 57.2822,
137.1144

■ 16.7806, 11.4560,
43.2424

■ 92.7913, 77.0357,
172.6432

■ 10.1725, 6.3744,
29.7425

■ 119.1450,
100.8769, 213.8335

■ 5.5766, 3.0741,
19.3929

150.0683,
129.1899, 261.1037

■ 2.6276, 1.1705,
11.7748

185.9268,
162.3594, 314.8724

■ 0.9600, 0.0374,
6.4699

227.0856,

■ 0.0000, 0.0000,

200.7696, 375.5582

3.0595

273.9102,
244.8050, 443.5795

■ 0.0000, 0.0000,
1.1251

■ 0.0000, 0.0000,
0.0000

■ 37.4947, 28.5003,
81.3668

■ 37.4947, 28.5003,
81.3668

■ 31.9538, 21.7527,
80.3569

■ 44.1020, 36.8344,
82.6277

■ 27.4134, 16.4823,
79.5789

■ 51.8294, 46.8477,
84.1532

■ 23.8051, 12.5706,
79.0141

■ 60.7307, 58.6297,
85.9582

■ 21.0485, 9.8784,
78.6397

■ 70.8549, 72.2622,
88.0559

■ 19.0452, 8.2315,
78.4274

■ 82.2484, 87.8220,
90.4588

■ 18.4831, 7.8128,
78.3762

■ 91.5457, 98.5630,
92.0420

■ 91.8514, 98.7206,
92.0563

Harmonies

Analogous

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



29.0291, 28.5003, 98.8226



37.4947, 28.5003, 81.3668



43.9335, 28.5003, 51.6519

Triad

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



37.4947, 28.5003, 81.3668



33.5625, 28.5003, 5.5300



14.4765, 28.5003, 36.7843

Complementary

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



37.4947, 28.5003, 81.3668



55.6308, 71.9290, 30.3547

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.



15.2160, 28.5003, 16.7921



37.4947, 28.5003, 81.3668



25.2368, 28.5003, 4.5877

Square

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



37.4947, 28.5003, 81.3668



41.3682, 28.5003, 11.2895



18.8116, 28.5003, 7.4337



16.5434, 28.5003, 66.0176

Rectangle

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



37.4947, 28.5003, 81.3668



45.6121, 28.5003, 33.3588



18.8116, 28.5003, 7.4337



14.4130, 28.5003, 28.8159

Sweetspot

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



37.4958, 28.5014, 81.3675



76.7625, 75.2078, 105.0785



43.0157, 49.7137, 85.1709



15.8844, 15.3667, 22.3788



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.



37.4958, 28.5014, 81.3675



39.0309, 26.6702, 97.6984



50.9946, 35.4602, 81.9992



14.7398, 14.8112, 19.0042



10.5111, 4.4546, 44.0488



0.9270, 0.4022, 3.4636

Inverse Universe

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



51.1163, 36.1007, 55.9043



57.9440, 37.2476, 61.2030



44.1695, 66.0205, 29.8183



15.4728, 15.2170, 17.7749



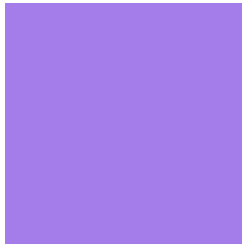
22.2359, 11.0970, 17.5753



1.7917, 0.8896, 1.6203

Previews

White Background



This preview shows how the XYZ color 37.4947, 28.5003, 81.3668 looks on a white background.

Color Contrast Check

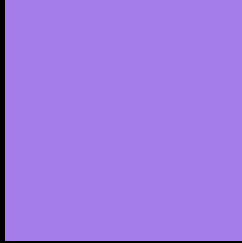
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4947, 28.5003, 81.3668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

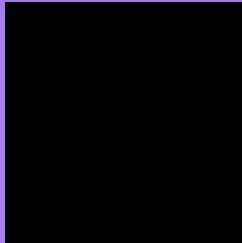
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4947, 28.5003, 81.3668

Background



This preview shows how black text looks on a background with the XYZ color 37.4947, 28.5003, 81.3668.



This preview shows how white text looks on a background with the XYZ color 37.4947, 28.5003,

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

37.4947, 28.5003, 81.3668

Protanopia

31.9653, 28.8448, 94.3253

Deuteranopia

29.7074, 28.9236, 78.8800



Tritanopia

28.1333, 28.4010, 35.0095

Trichromacy



Original Color

37.4947, 28.5003, 81.3668



Protanomaly

33.1593, 28.2775, 89.2984



Deuteranomaly

31.6807, 28.1574, 79.3665



Tritanomaly

30.7823, 27.9390, 49.1178

Monochromacy



Original Color

37.4947, 28.5003, 81.3668



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

30.9427, 28.9215, 47.1316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4947, 28.5003, 81.3668 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(164, 125, 234)` looks like.

```
.text, #text, p{  
    color:rgb(164, 125, 234)  
}
```

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(164, 125, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 125, 234) }
```

Border

The CSS property to change the border of an element to XYZ 37.4947, 28.5003, 81.3668 is called "border". The border property can be set on classes, ids or directly on the HTML element.

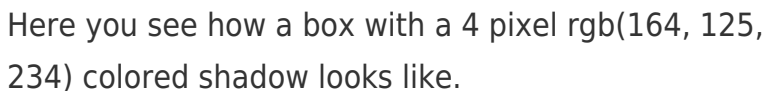
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 125, 234) }
```


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

```
.border{ border-color:rgb(164, 125, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(164, 125, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 125, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 125, 234);  
box-shadow:4px 4px 4px 4px rgb(164, 125,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4947, 28.5003, 81.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 125, 234) }
```

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

```
.background{ background-color: rgb(164,  
125, 234) }
```

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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