

Converting Colors

XYZ(37.3567, 28.9681, 82.9794)

Have a look what the booklet for
XYZ(37.3567, 28.9681, 82.9794)
contains.

XYZ(37.3567, 28.9681, 82.9794)	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(37.3567, 28.9681,
82.9794)**

Conversions

Conversions Part 1

Format	Color
Hex	A080EC
RGB	160, 128, 236
RGB Percent	63%, 50%, 93%
CMY	0.3725, 0.4980, 0.0745
CMYK	0.32, 0.46, 0.00, 0.07
HSL	258°, 74%, 71%
HSV	258°, 46%, 93%
XYZ	37.3567, 28.9681, 82.9794
YIQ	149.8800, -15.5960, 40.3720

Conversions

Conversions Part 2

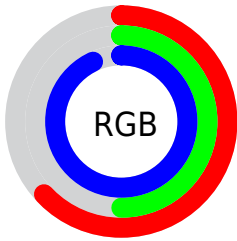
Format	Color
R_{YB}	160, 128, 236
Decimal	10518764
CIE _{Lab}	60.75, 35.42, -50.35
CIE _{LCh}	61, 61.560, 305.124
Yxy	28.9681, 0.2502, 0.1940
Android (android.graphics.Color)	4288708844 (0xFFA080EC)
YUV	149.8800, 42.4572, 8.8752
Hunter-Lab	53.8220, 29.7044, -53.7342

Details

The XYZ color **37.3567, 28.9681, 82.9794** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **58.7941, 74.3873, 31.6825**, and the grayscale version is **28.7701, 30.2684, 32.9623**.

A 20% lighter version of the original color is **63.1891, 55.0195, 101.8971**, and **16.7883, 11.7473, 44.5626** is the 20% darker color. If you saturate the color by 10%, you get **31.5278, 21.9131, 81.9254**, and if you desaturate by 10%, it is **44.3472, 37.6854, 84.2941**.

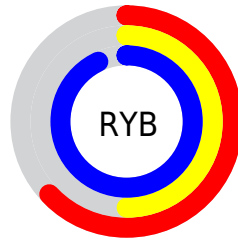
Distribution



Red (63%)

Green (50%)

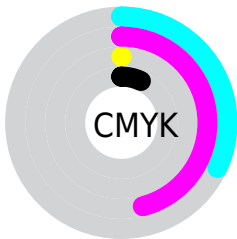
Blue (93%)



Red (63%)

Yellow (50%)

Blue (93%)

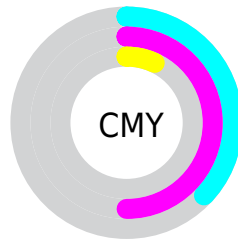


Cyan (32%)

Magenta (46%)

Yellow (0%)

Black (7%)



Cyan (37%)

Magenta (50%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3567, 28.9681, 82.9794 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 37.3567, 28.9681, 82.9794 by changing the saturation by 10% instead.

37.3567, 28.9681,
82.9794

37.3567, 28.9681,
82.9794

326.1810,
297.0644, 524.8871

25.6587, 19.0567,
61.6326

70.4313, 58.0264,
139.3956

16.6998, 11.7112,
44.3021

92.5387, 77.9421,
175.3021

10.1147, 6.5474,
30.5691

118.8466,
101.9613, 216.8989

5.5379, 3.1807,
20.0153

149.7203,
130.4685, 264.6047

2.6042, 1.2268,
12.2219

185.5253,
163.8480, 318.8378

0.9481, 0.0834,
6.7706

226.6268,

0.0000, 0.0000,

202.4842, 380.0169

3.2428

273.3903,
246.7615, 448.5605

■ 0.0000, 0.0000,
1.2199

■ 0.0000, 0.0000,
0.0000

■ 37.3567, 28.9681,
82.9794

■ 37.3567, 28.9681,
82.9794

■ 31.5278, 21.9131,
81.9254

■ 44.3472, 37.6854,
84.2941

■ 26.7892, 16.4076,
81.1125

■ 52.5578, 48.1613,
85.8834

■ 23.0666, 12.3292,
80.5215

■ 62.0471, 60.4884,
87.7626

■ 20.2737, 9.5349,
80.1293

■ 72.8687, 74.7519,
89.9454

■ 18.3069, 7.8497,
79.9077

■ 85.0730, 91.0314,
92.4444

■ 17.6610, 7.3556,
79.8464

■ 92.1404, 98.8362,
93.5784

Harmonies

Analogous

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



28.9289, 28.9681, 98.8334



37.3567, 28.9681, 82.9794



43.9633, 28.9681, 53.9174

Triad

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



37.3567, 28.9681, 82.9794



34.5180, 28.9681, 6.0898



14.8868, 28.9681, 35.6381

Complementary

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



37.3567, 28.9681, 82.9794



58.7941, 74.3873, 31.6825

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.



15.8110, 28.9681, 16.4120



37.3567, 28.9681, 82.9794



26.1833, 28.9681, 4.8754

Square

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



37.3567, 28.9681, 82.9794



42.1146, 28.9681, 12.3894



19.6033, 28.9681, 7.4997



16.7784, 28.9681, 64.2496

Rectangle

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



37.3567, 28.9681, 82.9794



45.8621, 28.9681, 35.4328



19.6033, 28.9681, 7.4997



14.8830, 28.9681, 27.9458

Sweetspot

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



37.3578, 28.9692, 82.9801



76.0539, 74.8425, 105.0453



45.9704, 54.5005, 87.4542



15.7131, 15.2784, 22.3708



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.



37.3578, 28.9692, 82.9801



37.9220, 26.5231, 97.7285



50.1850, 35.5818, 83.5804



14.6507, 14.7652, 19.0000



9.8480, 4.1128, 44.0178



0.8668, 0.3711, 3.4608

Inverse Universe

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



53.2110, 37.6317, 61.5861



59.4088, 38.2912, 67.5058



46.7295, 68.1678, 31.1179



15.5136, 15.2333, 17.9899



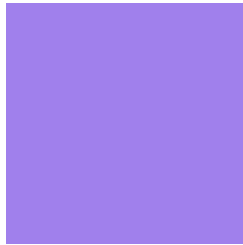
22.9249, 11.3727, 21.2038



1.8420, 0.9098, 1.8855

Previews

White Background



This preview shows how the XYZ color 37.3567, 28.9681, 82.9794 looks on a white background.

Color Contrast Check

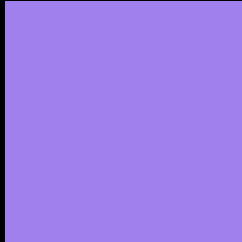
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3567, 28.9681, 82.9794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

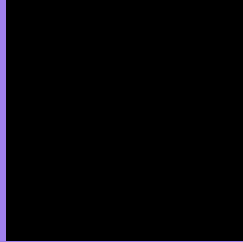
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3567, 28.9681, 82.9794

Background



This preview shows how black text looks on a background with the XYZ color 37.3567, 28.9681, 82.9794.



This preview shows how white text looks on a background with the XYZ color 37.3567, 28.9681,

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

37.3567, 28.9681, 82.9794

Protanopia

32.3333, 29.2564, 94.3854

Deuteranopia

30.1448, 29.3463, 80.4195



Tritanopia

27.8663, 28.9214, 36.0120

Trichromacy



Original Color

37.3567, 28.9681, 82.9794

Protanomaly

33.5959, 28.9071, 90.1951

Deuteranomaly

31.9712, 28.7043, 80.9462

Tritanomaly

30.6732, 28.4944, 50.3377

Monochromacy



Original Color

37.3567, 28.9681, 82.9794

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

31.3399, 29.5522, 47.7684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3567, 28.9681, 82.9794 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(160, 128, 236)` looks like.

```
.text, #text, p{  
    color:rgb(160, 128, 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(160, 128, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 128, 236) }
```

Border

The CSS property to change the border of an element to XYZ 37.3567, 28.9681, 82.9794 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(160, 128, 236) }
```


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

```
.border{ border-color:rgb(160, 128, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 128, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 128, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 128, 236);  
box-shadow:4px 4px 4px 4px rgb(160, 128,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3567, 28.9681, 82.9794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 128, 236) }
```

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

```
.background{ background-color: rgb(160,  
128, 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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