

Converting Colors

XYZ(36.9242, 27.6092, 80.0321)

Have a look what the booklet for
XYZ(36.9242, 27.6092, 80.0321)
contains.

XYZ(36.8349, 27.6378, 79.7371)	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(36.8349, 27.6378,
79.7371)**

Conversions

Conversions Part 1

Format	Color
Hex	A47AE8
RGB	164, 122, 232
RGB Percent	64%, 48%, 91%
CMY	0.3568, 0.5216, 0.0902
CMYK	0.29, 0.47, 0.00, 0.09
HSL	263°, 71%, 69%
HSV	263°, 47%, 91%
XYZ	36.8349, 27.6378, 79.7371
YIQ	147.0980, -10.2780, 43.1140

Conversions

Conversions Part 2

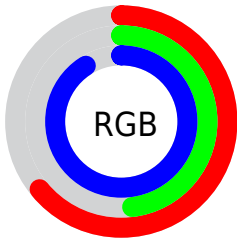
Format	Color
RYB	164, 122, 232
Decimal	10779368
CIELab	59.56, 38.85, -50.00
CIElCh	60, 63.316, 307.848
Yxy	27.6378, 0.2554, 0.1916
Android (android.graphics.Color)	4288969448 (0xFFA47AE8)
YUV	147.0980, 41.8567, 14.8231
Hunter-Lab	52.5717, 33.0675, -53.1268

Details

The XYZ color **36.8349, 27.6378, 79.7371** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **53.6050, 70.0659, 29.1121**, and the grayscale version is **27.6101, 29.0479, 31.6332**.

A 20% lighter version of the original color is **63.1988, 53.2521, 101.5555**, and **16.4605, 11.0205, 42.3339** is the 20% darker color. If you saturate the color by 10%, you get **31.5243, 21.1646, 78.7680**, and if you desaturate by 10%, it is **43.1613, 35.6449, 80.9497**.

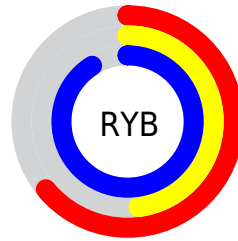
Distribution



Red (64%)

Green (48%)

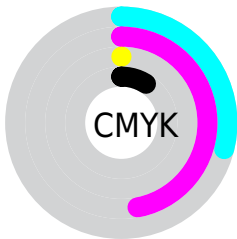
Blue (91%)



Red (64%)

Yellow (48%)

Blue (91%)

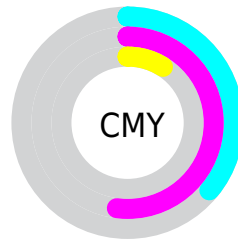


Cyan (29%)

Magenta (47%)

Yellow (0%)

Black (9%)



Cyan (36%)

Magenta (52%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8349, 27.6378, 79.7371 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 36.8349, 27.6378, 79.7371 by changing the saturation by 10% instead.

36.8349, 27.6378,
79.7371

36.8349, 27.6378,
79.7371

323.9631,
290.7321, 513.7298

25.2528, 18.0528,
58.9771

69.6343, 55.9057,
134.8041

16.3952, 10.9879,
42.1748

91.5822, 75.3573,
169.9482

9.8969, 6.0587,
28.9116

117.7162, 98.8666,
210.7242

5.3924, 2.8808,
18.7690

148.4015,
126.8180, 257.5504

2.5164, 1.0698,
11.3283

184.0034,
159.5959, 310.8456

0.9035, 0.0000,
6.1712

224.8875,

0.0000, 0.0000,

197.5846, 371.0282

2.8790

271.4189,
241.1685, 438.5167

■ 0.0000, 0.0000,
1.0332

■ 0.0000, 0.0000,
0.0000

■ 36.8349, 27.6378,
79.7371

■ 36.8349, 27.6378,
79.7371

■ 31.5243, 21.1646,
78.7680

■ 43.1613, 35.6449,
80.9497

■ 27.1660, 16.1180,
78.0237

■ 50.5552, 45.2768,
82.4191

■ 23.6938, 12.3817,
77.4855

■ 59.0681, 56.6208,
84.1601

■ 21.0298, 9.8183,
77.1311

■ 68.7473, 69.7571,
86.1855

■ 19.0739, 8.2471,
76.9309

■ 79.6373, 84.7606,
88.5075

■ 18.6457, 7.9296,
76.8922

■ 89.7688, 97.6800,
90.4672

■ 91.5656, 98.6062,
90.5513

Harmonies

Analogous

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



28.4169, 27.6378, 97.8440



36.8349, 27.6378, 79.7371



43.1667, 27.6378, 49.8542

Triad

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



36.8349, 27.6378, 79.7371



32.4795, 27.6378, 5.0029



13.8272, 27.6378, 36.4905

Complementary

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



36.8349, 27.6378, 79.7371



53.6050, 70.0659, 29.1121

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.



14.4809, 27.6378, 16.3953



36.8349, 27.6378, 79.7371



24.2320, 27.6378, 4.1957

Square

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



36.8349, 27.6378, 79.7371



40.3187, 27.6378, 10.4016



17.9454, 27.6378, 7.0417



15.9333, 27.6378, 65.8402

Rectangle

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



36.8349, 27.6378, 79.7371



44.7453, 27.6378, 31.7706



17.9454, 27.6378, 7.0417



13.7408, 27.6378, 28.4752

Sweetspot

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



36.8360, 27.6388, 79.7377



77.0417, 75.3518, 105.0916



41.3688, 47.5177, 83.3358



15.9521, 15.4016, 22.3820



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.



36.8360, 27.6388, 79.7377



39.1363, 26.3118, 97.6237



50.2402, 34.5490, 80.3651



14.1004, 14.1540, 18.1332



10.4810, 4.4691, 42.6934



0.8754, 0.3823, 3.1596

Inverse Universe

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



49.5331, 34.7934, 52.8204



57.1453, 36.4833, 58.3684



42.6322, 64.4092, 28.5985



14.7496, 14.5170, 16.8819



21.3082, 10.6575, 15.7841



1.6196, 0.8055, 1.4031

Previews

White Background



This preview shows how the XYZ color 36.8349, 27.6378, 79.7371 looks on a white background.

Color Contrast Check

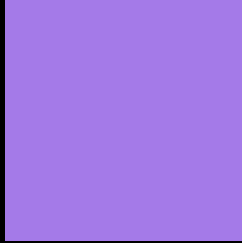
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8349, 27.6378, 79.7371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

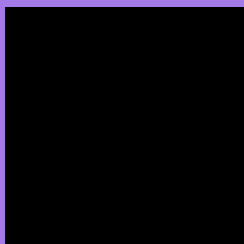
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.8349, 27.6378, 79.7371

Background



This preview shows how black text looks on a background with the XYZ color 36.8349, 27.6378, 79.7371.



This preview shows how white text looks on a background with the XYZ color 36.8349, 27.6378,

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

36.8349, 27.6378, 79.7371

Protanopia

31.1963, 28.0286, 93.3884

Deuteranopia

28.7682, 28.0340, 76.5679



Tritanopia

27.5868, 27.7063, 33.5996

Trichromacy



Original Color

36.8349, 27.6378, 79.7371

Protanomaly

32.3109, 27.2392, 88.3487

Deuteranomaly

30.8322, 27.3304, 77.7790

Tritanomaly

30.1920, 27.2564, 47.3858

Monochromacy



Original Color

36.8349, 27.6378, 79.7371

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.2612, 28.1636, 45.9607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8349, 27.6378, 79.7371 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, 122, 232)` looks like.

```
.text, #text, p{  
    color:rgb(164, 122, 232)  
}
```

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, 122, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 122, 232) }
```

Border

The CSS property to change the border of an element to XYZ 36.8349, 27.6378, 79.7371 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, 122, 232) }
```


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

```
.border{ border-color:rgb(164, 122, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 122, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 122, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 122, 232); box-shadow:4px 4px 4px 4px rgb(164, 122, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8349, 27.6378, 79.7371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 122, 232) }
```

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

```
.background{ background-color: rgb(164,  
122, 232) }
```

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