

Converting Colors

XYZ(36.3970, 28.1949, 77.1090)

Have a look what the booklet for
XYZ(36.3970, 28.1949, 77.1090)
contains.

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Color

**XYZ(36.3647, 28.2045,
76.9262)**

Conversions

Conversions Part 1

Format	Color
Hex	A27EE4
RGB	162, 126, 228
RGB Percent	64%, 49%, 89%
CMY	0.3647, 0.5059, 0.1059
CMYK	0.29, 0.45, 0.00, 0.11
HSL	261°, 65%, 69%
HSV	261°, 45%, 89%
XYZ	36.3647, 28.2045, 76.9262
YIQ	148.3920, -11.2860, 39.3540

Conversions

Conversions Part 2

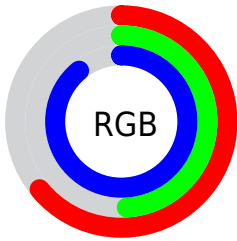
Format	Color
RYB	162, 126, 228
Decimal	10649316
CIELab	60.07, 35.08, -46.97
CIELCh	60, 58.623, 306.755
Yxy	28.2045, 0.2570, 0.1993
Android (android.graphics.Color)	4288839396 (0xFFA27EE4)
YUV	148.3920, 39.2467, 11.9342
Hunter-Lab	53.1079, 29.2859, -48.7054

Details

The XYZ color **36.3647, 28.2045, 76.9262** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **53.2481, 68.2002, 30.0971**, and the grayscale version is **28.1574, 29.6237, 32.2602**.

A 20% lighter version of the original color is **63.3835, 54.5203, 101.7905**, and **16.0942, 11.2732, 40.3574** is the 20% darker color. If you saturate the color by 10%, you get **30.9516, 21.5685, 75.9311**, and if you desaturate by 10%, it is **42.7958, 36.3525, 78.1605**.

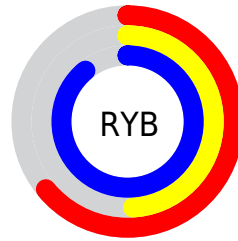
Distribution



Red (64%)

Green (49%)

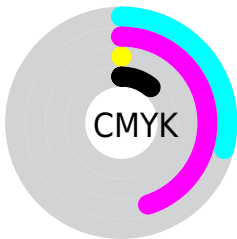
Blue (89%)



Red (64%)

Yellow (49%)

Blue (89%)

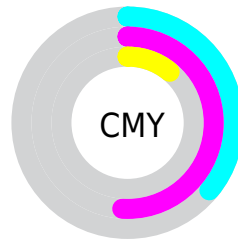


Cyan (29%)

Magenta (45%)

Yellow (0%)

Black (11%)



Cyan (36%)

Magenta (51%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3647, 28.2045, 76.9262 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 36.3647, 28.2045, 76.9262 by changing the saturation by 10% instead.

36.3647, 28.2045,
76.9262

36.3647, 28.2045,
76.9262

321.9553,
293.4428, 503.9433

24.8874, 18.4799,
56.6811

68.9148, 56.8108,
130.8074

16.1215, 11.2951,
40.3416

90.7183, 76.4612,
165.2805

9.7015, 6.2657,
27.4892

116.6946,
100.1890, 205.3334

5.2623, 3.0073,
17.7053

147.2090,
128.3786, 251.3846

2.4383, 1.1355,
10.5714

182.6270,
161.4144, 303.8527

0.8642, 0.0081,
5.6689

223.3138,

0.0000, 0.0000,

199.6808, 363.1561

2.5793

269.6347,
243.5621, 429.7135

■ 0.0000, 0.0000,
0.8817

■ 0.0000, 0.0000,
0.0000

■ 36.3647, 28.2045,
76.9262

■ 36.3647, 28.2045,
76.9262

■ 30.9516, 21.5685,
75.9311

■ 42.7958, 36.3525,
78.1605

■ 26.4956, 16.3437,
75.1575

■ 50.2947, 46.0980,
79.6463

■ 22.9333, 12.4214,
74.5882

■ 58.9115, 57.5239,
81.3976

■ 20.1915, 9.6750,
74.2026

■ 68.6920, 70.7063,
83.4265

■ 18.1823, 7.9509,
73.9757

■ 79.6794, 85.7165,
85.7447

■ 17.3520, 7.3276,
73.8991

■ 89.3745, 97.5416,
87.5162

■ 91.0037, 98.3815,
87.5924

Harmonies

Analogous

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



28.5346, 28.2045, 92.4374



36.3647, 28.2045, 76.9262



42.3076, 28.2045, 49.9963

Triad

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



36.3647, 28.2045, 76.9262



32.8918, 28.2045, 6.2855



14.9142, 28.2045, 35.8128

Complementary

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



36.3647, 28.2045, 76.9262



53.2481, 68.2002, 30.0971

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.



15.6478, 28.2045, 17.1568



36.3647, 28.2045, 76.9262



25.1516, 28.2045, 5.2826

Square

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



36.3647, 28.2045, 76.9262



40.0562, 28.2045, 12.0719



19.0913, 28.2045, 8.1223



16.8591, 28.2045, 62.5287

Rectangle

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



36.3647, 28.2045, 76.9262



43.8774, 28.2045, 33.1000



19.0913, 28.2045, 8.1223



14.8623, 28.2045, 28.4377

Sweetspot

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



36.3658, 28.2056, 76.9269



77.9157, 76.7993, 105.3249



41.5242, 47.8691, 80.4504



16.1101, 15.6792, 22.4272



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.



36.3658, 28.2056, 76.9269



40.1515, 28.1089, 97.9171



48.8188, 34.6254, 77.5097



14.0604, 14.1333, 18.1313



10.1362, 4.2913, 42.6772



0.8470, 0.3676, 3.1583

Inverse Universe

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



48.9709, 35.2223, 54.0871



58.8254, 38.5283, 62.9832



42.5457, 62.6829, 29.5962



14.7678, 14.5243, 16.9776



21.5983, 10.7735, 17.3116



1.6397, 0.8136, 1.5094

Previews

White Background



This preview shows how the XYZ color 36.3647, 28.2045, 76.9262 looks on a white background.

Color Contrast Check

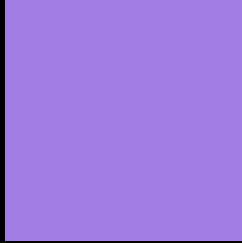
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3647, 28.2045, 76.9262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

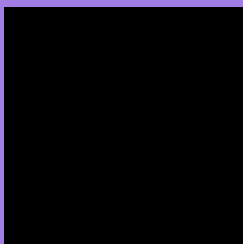
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3647, 28.2045, 76.9262

Background



This preview shows how black text looks on a background with the XYZ color 36.3647, 28.2045, 76.9262.



This preview shows how white text looks on a background with the XYZ color 36.3647, 28.2045,

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

36.3647, 28.2045, 76.9262

Protanopia

31.2935, 28.6404, 87.8832

Deuteranopia

29.2889, 28.5757, 74.4930



Tritanopia

27.8679, 28.2739, 34.5605

Trichromacy



Original Color

36.3647, 28.2045, 76.9262

Protanomaly

32.4024, 28.0078, 83.8190

Deuteranomaly

31.1365, 27.9732, 74.9925

Tritanomaly

30.4230, 27.9998, 47.5171

Monochromacy



Original Color

36.3647, 28.2045, 76.9262

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.4508, 28.7028, 45.5302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3647, 28.2045, 76.9262 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(162, 126, 228)` looks like.

```
.text, #text, p{  
    color:rgb(162, 126, 228)  
}
```

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(162, 126, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 126, 228) }
```

Border

The CSS property to change the border of an element to XYZ 36.3647, 28.2045, 76.9262 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(162, 126, 228) }
```


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

```
.border{ border-color:rgb(162, 126, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 126, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 126, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 126, 228); box-shadow:4px 4px 4px 4px rgb(162, 126, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3647, 28.2045, 76.9262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 126, 228) }
```

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

```
.background{ background-color: rgb(162,  
126, 228) }
```

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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