

Converting Colors

XYZ(38.5830, 29.1841, 80.2788)

Have a look what the booklet for
XYZ(38.5830, 29.1841, 80.2788)
contains.

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Color

**XYZ(38.6039, 29.2940,
79.9636)**

Conversions

Conversions Part 1

Format	Color
Hex	AA7EE8
RGB	170, 126, 232
RGB Percent	67%, 49%, 91%
CMY	0.3333, 0.5059, 0.0902
CMYK	0.27, 0.46, 0.00, 0.09
HSL	265°, 70%, 70%
HSV	265°, 46%, 91%
XYZ	38.6039, 29.2940, 79.9636
YIQ	151.2400, -7.8020, 42.2940

Conversions

Conversions Part 2

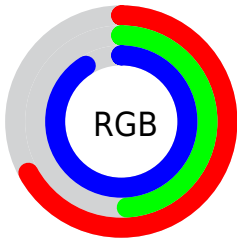
Format	Color
RYB	170, 126, 232
Decimal	11173608
CIELab	61.04, 38.21, -47.62
CIElCh	61, 61.053, 308.749
Yxy	29.2940, 0.2611, 0.1981
Android (android.graphics.Color)	4289363688 (0xFFAA7EE8)
YUV	151.2400, 39.8147, 16.4525
Hunter-Lab	54.1239, 32.5983, -49.7093

Details

The XYZ color **38.6039, 29.2940, 79.9636** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **53.3623, 69.9116, 30.4216**, and the grayscale version is **29.3564, 30.8852, 33.6340**.

A 20% lighter version of the original color is **65.8487, 55.7911, 101.9059**, and **17.4911, 11.9483, 42.4587** is the 20% darker color. If you saturate the color by 10%, you get **33.1905, 22.5988, 78.9571**, and if you desaturate by 10%, it is **45.0101, 37.5232, 81.2149**.

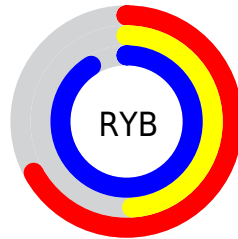
Distribution



Red (67%)

Green (49%)

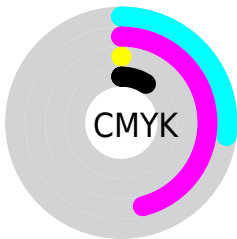
Blue (91%)



Red (67%)

Yellow (49%)

Blue (91%)

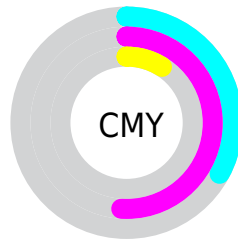


Cyan (27%)

Magenta (46%)

Yellow (0%)

Black (9%)



Cyan (33%)


Magenta (51%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6039, 29.2940, 79.9636 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 38.6039, 29.2940, 79.9636 by changing the saturation by 10% instead.


 38.6039, 29.2940,
79.9636


 38.6039, 29.2940,
79.9636

331.4397,
298.5996, 514.5137


 26.6311, 19.3033,
59.1624


 72.3308, 58.5439,
135.1255

 17.4315, 11.8897,
42.3230


 94.8155, 78.5719,
170.3233

 10.6398, 6.6686,
29.0268


 121.5349,
102.7144, 211.1570

 5.8907, 3.2557,
18.8554

152.8544,
131.3560, 258.0452

 2.8187, 1.2667,
11.3901

189.1393,
164.8809, 311.4064

 1.0587, 0.1152,
6.2124

230.7549,

 0.0000, 0.0000,

203.6735, 371.6592

2.9038

278.0666,
248.1183, 439.2221

■ 0.0000, 0.0000,
1.0457

■ 0.0000, 0.0000,
0.0000

■ 38.6039, 29.2940,
79.9636

■ 38.6039, 29.2940,
79.9636

■ 33.1905, 22.5988,
78.9571

■ 45.0101, 37.5232,
81.2149

■ 28.7093, 17.3331,
78.1769

■ 52.4582, 47.3746,
82.7238

■ 25.0973, 13.3840,
77.6050

■ 60.9977, 58.9338,
84.5049

■ 22.2809, 10.6194,
77.2199

■ 70.6737, 72.2792,
86.5708

■ 20.1711, 8.8772,
76.9948

■ 81.5288, 87.4841,
88.9336

■ 19.4214, 8.3295,
76.9286

■ 90.2612, 97.9338,
90.4903

■ 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.



30.2449, 29.2940, 98.1057



38.6039, 29.2940, 79.9636



44.7488, 29.2940, 50.6415

Triad

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



38.6039, 29.2940, 79.9636



33.7887, 29.2940, 5.9573



15.2555, 29.2940, 39.0645

Complementary

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



38.6039, 29.2940, 79.9636



53.3623, 69.9116, 30.4216

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.



15.8425, 29.2940, 18.4628



38.6039, 29.2940, 79.9636



25.5719, 29.2940, 5.1834

Square

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



38.6039, 29.2940, 79.9636



41.6198, 29.2940, 11.5277



19.2945, 29.2940, 8.4214



17.5012, 29.2940, 68.1042

Rectangle

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



38.6039, 29.2940, 79.9636



46.1919, 29.2940, 32.8664



19.2945, 29.2940, 8.4214



15.1386, 29.2940, 30.9453

Sweetspot

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



38.6050, 29.2951, 79.9643



77.4306, 75.5523, 105.1098



41.4976, 46.9167, 83.2131



16.0463, 15.4502, 22.3864



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.



38.6050, 29.2951, 79.9643



41.3787, 28.3051, 97.8903



51.9679, 36.1840, 80.5897



14.1468, 14.1779, 18.1353



10.9176, 4.6941, 42.7138



0.9104, 0.4003, 3.1613

Inverse Universe

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



49.8174, 35.7094, 51.8446



57.3954, 37.4858, 56.9031



42.8745, 64.5049, 29.9307



14.7288, 14.5087, 16.7722



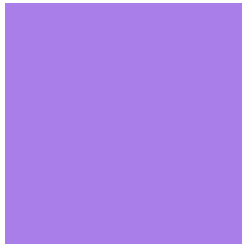
20.9943, 10.5320, 14.1311



1.5974, 0.7967, 1.2865

Previews

White Background



This preview shows how the XYZ color 38.6039, 29.2940, 79.9636 looks on a white background.

Color Contrast Check

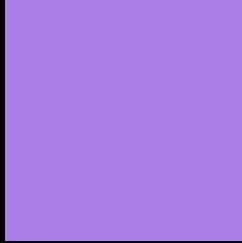
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6039, 29.2940, 79.9636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

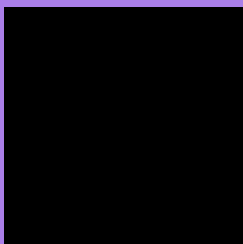
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6039, 29.2940, 79.9636

Background



This preview shows how black text looks on a background with the XYZ color 38.6039, 29.2940, 79.9636.

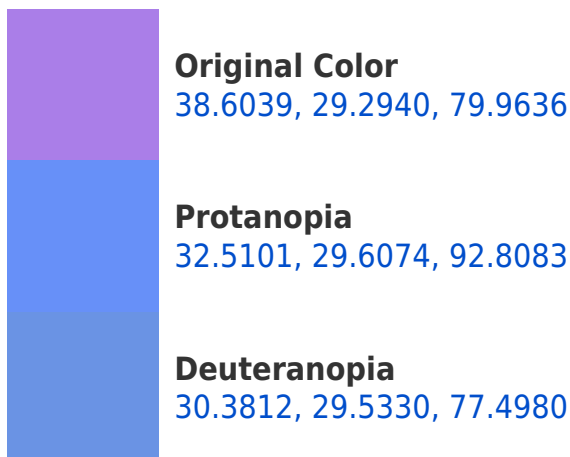


This preview shows how white text looks on a background with the XYZ color 38.6039, 29.2940,

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





Tritanopia

29.6000, 29.3810, 35.1214

Trichromacy



Original Color

38.6039, 29.2940, 79.9636

Protanomaly

33.7251, 28.8142, 87.7886

Deuteranomaly

32.4287, 28.7895, 77.9765

Tritanomaly

32.1908, 28.8873, 48.6789

Monochromacy



Original Color

38.6039, 29.2940, 79.9636

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

32.0118, 29.9104, 47.2661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6039, 29.2940, 79.9636 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(170, 126, 232)` looks like.

```
.text, #text, p{  
    color:rgb(170, 126, 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(170, 126, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 126, 232) }
```

Border

The CSS property to change the border of an element to XYZ 38.6039, 29.2940, 79.9636 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(170, 126, 232) }
```


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

```
.border{ border-color:rgb(170, 126, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 126, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 126, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 126, 232);  
box-shadow:4px 4px 4px 4px rgb(170, 126,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6039, 29.2940, 79.9636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 126, 232) }
```

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

```
.background{ background-color: rgb(170,  
126, 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](#).

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