

Converting Colors

XYZ(39.6406, 29.2058, 86.8908)

Have a look what the booklet for
XYZ(39.6406, 29.2058, 86.8908)
contains.

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Color

**XYZ(39.6624, 29.3122,
86.7865)**

Conversions

Conversions Part 1

Format	Color
Hex	AA7CF1
RGB	170, 124, 241
RGB Percent	67%, 49%, 95%
CMY	0.3333, 0.5137, 0.0549
CMYK	0.29, 0.49, 0.00, 0.05
HSL	264°, 81%, 72%
HSV	264°, 49%, 95%
XYZ	39.6624, 29.3122, 86.7865
YIQ	151.0920, -10.1410, 46.1390

Conversions

Conversions Part 2

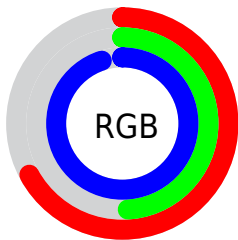
Format	Color
R _Y B	170, 124, 241
Decimal	11173105
CIE Lab	61.06, 41.50, -52.58
CIE LCh	61, 66.984, 308.282
Yxy	29.3122, 0.2546, 0.1882
Android (android.graphics.Color)	4289363185 (0xFFAA7CF1)
YUV	151.0920, 44.3246, 16.5823
Hunter-Lab	54.1407, 36.0191, -57.1421

Details

The XYZ color **39.6624, 29.3122, 86.7865** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **57.5995, 75.9684, 30.6972**, and the grayscale version is **29.2752, 30.7998, 33.5409**.

A 20% lighter version of the original color is **65.7670, 55.1583, 101.7881**, and **18.0399, 11.9357, 46.7004** is the 20% darker color. If you saturate the color by 10%, you get **34.0155, 22.4527, 85.7606**, and if you desaturate by 10%, it is **46.4012, 37.8310, 88.0762**.

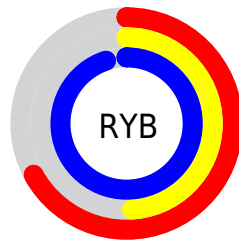
Distribution



Red (67%)

Green (49%)

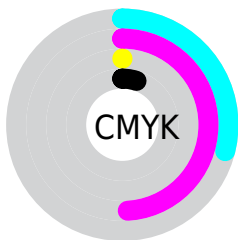
Blue (95%)



Red (67%)

Yellow (49%)

Blue (95%)

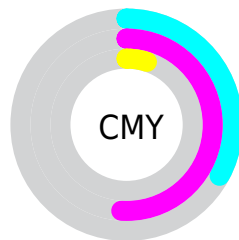


Cyan (29%)

Magenta (49%)

Yellow (0%)

Black (5%)



Cyan (33%)

Magenta (51%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6624, 29.3122, 86.7865 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 39.6624, 29.3122, 86.7865 by changing the saturation by 10% instead.

■ 39.6624, 29.3122,
86.7865

■ 39.6624, 29.3122,
86.7865

335.8575,
298.6852, 537.8190

■ 27.4585, 19.3171,
64.7599

■ 73.9368, 58.5727,
144.7628

■ 18.0562, 11.8996,
46.8163

■ 96.7379, 78.6070,
181.5495

■ 11.0903, 6.6754,
32.5372

■ 123.8021,
102.7564, 224.0934

■ 6.1953, 3.2599,
21.5039

155.4949,
131.4055, 272.8130

■ 3.0060, 1.2689,
13.2980

192.1814,
164.9384, 328.1268

■ 1.1569, 0.1169,
7.5010

234.2271,

■ 0.0720, 0.0000,

203.7398, 390.4534

3.6942

281.9973,
248.1939, 460.2113

■ 0.0000, 0.0000,
1.4591

■ 0.0000, 0.0000,
0.1872

■ 39.6624, 29.3122,
86.7865

■ 39.6624, 29.3122,
86.7865

■ 34.0155, 22.4527,
85.7606

■ 46.4012, 37.8310,
88.0762

■ 29.3909, 17.1338,
84.9777

■ 54.2887, 48.1099,
89.6445

■ 25.7154, 13.2259,
84.4172

■ 63.3813, 60.2452,
91.5076

■ 22.9025, 10.5751,
84.0538

■ 73.7306, 74.3252,
93.6798

■ 20.8324, 8.9618,
83.8515

■ 85.3852, 90.4326,
96.1746

■ 20.5712, 8.7707,
83.8283

■ 92.8773, 99.1309,
97.4587

Harmonies

Analogous

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



30.3596, 29.3122, 107.4858



39.6624, 29.3122, 86.7865



46.6372, 29.3122, 53.3197

Triad

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



39.6624, 29.3122, 86.7865



34.5749, 29.3122, 4.7948



14.2875, 29.3122, 39.3869

Complementary

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



39.6624, 29.3122, 86.7865



57.5995, 75.9684, 30.6972

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.



14.9515, 29.3122, 17.1779



39.6624, 29.3122, 86.7865



25.5022, 29.3122, 4.0152

Square

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



39.6624, 29.3122, 86.7865



43.2972, 29.3122, 10.3775



18.6679, 29.3122, 7.0406



16.6129, 29.3122, 72.1384

Rectangle

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



39.6624, 29.3122, 86.7865



48.3336, 29.3122, 33.3854



18.6679, 29.3122, 7.0406



14.1800, 29.3122, 30.4904

Sweetspot

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



39.6636, 29.3133, 86.7872



76.0087, 73.8374, 104.8537



43.9640, 50.1844, 90.5891



15.7534, 15.1060, 22.3354



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.



39.6636, 29.3133, 86.7872



38.8873, 25.7825, 97.5347



54.8746, 37.1549, 87.4991



15.4852, 15.5318, 19.9034



11.2963, 4.8288, 45.4646



1.0484, 0.4577, 3.7873

Inverse Universe

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



53.3342, 37.0570, 55.9715



56.5689, 35.8206, 56.6655



45.5176, 69.7400, 30.1318



16.1757, 15.9200, 18.4816



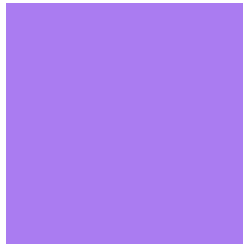
22.5635, 11.2978, 16.1500



1.9258, 0.9594, 1.6003

Previews

White Background



This preview shows how the XYZ color 39.6624, 29.3122, 86.7865 looks on a white background.

Color Contrast Check

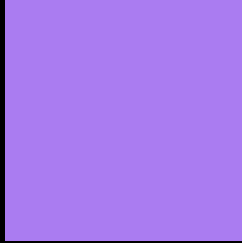
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6624, 29.3122, 86.7865 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 39.6624, 29.3122, 86.7865

Background



This preview shows how black text looks on a background with the XYZ color 39.6624, 29.3122, 86.7865.



This preview shows how white text looks on a background with the XYZ color 39.6624, 29.3122,

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

39.6624, 29.3122, 86.7865

Protanopia

33.0603, 29.7632, 98.6101

Deuteranopia

30.5541, 29.7227, 83.4836



Tritanopia

29.3004, 29.2168, 35.5476

Trichromacy



Original Color

39.6624, 29.3122, 86.7865



Protanomaly

34.5132, 29.0785, 94.2362



Deuteranomaly

32.8336, 28.8492, 84.7269



Tritanomaly

32.4125, 28.9528, 50.8938

Monochromacy



Original Color

39.6624, 29.3122, 86.7865



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

32.2772, 29.7795, 49.3942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6624, 29.3122, 86.7865 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, 124, 241)` looks like.

```
.text, #text, p{  
    color:rgb(170, 124, 241)  
}
```

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, 124, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 124, 241) }
```

Border

The CSS property to change the border of an element to XYZ 39.6624, 29.3122, 86.7865 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, 124, 241) }
```


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

```
.border{ border-color:rgb(170, 124, 241) }
```

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

Here you see how a box with a 4 pixel rgb(170, 124, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 124, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 124, 241);  
box-shadow:4px 4px 4px 4px rgb(170, 124,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6624, 29.3122, 86.7865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 124, 241) }
```

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

```
.background{ background-color: rgb(170,  
124, 241) }
```

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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