

Converting Colors

XYZ(39.1971, 27.5499, 86.8630)

Have a look what the booklet for
XYZ(39.1971, 27.5499, 86.8630)
contains.

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Color

**XYZ(39.2857, 27.6722,
87.2751)**

Conversions

Conversions Part 1

Format	Color
Hex	AC74F2
RGB	172, 116, 242
RGB Percent	67%, 45%, 95%
CMY	0.3255, 0.5451, 0.0510
CMYK	0.29, 0.52, 0.00, 0.05
HSL	267°, 83%, 70%
HSV	267°, 52%, 95%
XYZ	39.2857, 27.6722, 87.2751
YIQ	147.1080, -7.0700, 51.0580

Conversions

Conversions Part 2

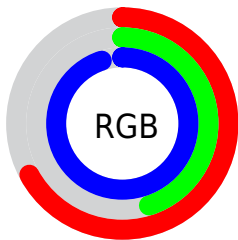
Format	Color
RYB	172, 116, 242
Decimal	11302130
CIELab	59.59, 46.63, -55.45
CIElCh	60, 72.450, 310.057
Yxy	27.6722, 0.2547, 0.1794
Android (android.graphics.Color)	4289492210 (0xFFAC74F2)
YUV	147.1080, 46.7818, 21.8303
Hunter-Lab	52.6044, 41.2487, -61.5441

Details

The XYZ color **39.2857, 27.6722, 87.2751** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **55.1544, 75.2047, 28.1327**, and the grayscale version is **27.5935, 29.0305, 31.6143**.

A 20% lighter version of the original color is **64.8711, 52.4189, 101.3065**, and **17.8497, 10.9964, 47.0807** is the 20% darker color. If you saturate the color by 10%, you get **34.0480, 21.3569, 86.3327**, and if you desaturate by 10%, it is **45.5506, 35.5963, 88.4749**.

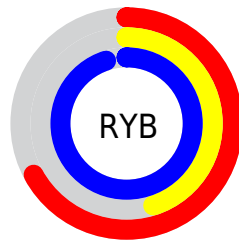
Distribution



Red (67%)

Green (45%)

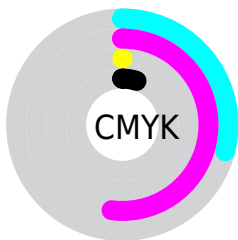
Blue (95%)



Red (67%)

Yellow (45%)

Blue (95%)

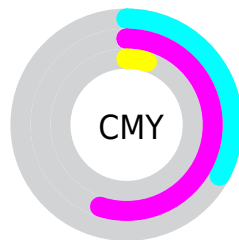


Cyan (29%)

Magenta (52%)

Yellow (0%)

Black (5%)



Cyan (33%)


Magenta (55%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2857, 27.6722, 87.2751 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 39.2857, 27.6722, 87.2751 by changing the saturation by 10% instead.


 39.2857, 27.6722,
87.2751


 39.2857, 27.6722,
87.2751

334.2899,
290.8972, 539.4661

 27.1638, 18.0787,
65.1620


 73.3658, 55.9607,
145.4498

 17.8335, 11.0065,
47.1402

 96.0548, 75.4244,
182.3484

 10.9295, 6.0712,
32.7914


 122.9968, 98.9471,
225.0126

 6.0864, 2.8884,
21.6969

154.5572,
126.9130, 273.8609

 2.9388, 1.0738,
13.4382

191.1013,
159.7066, 329.3119

 1.1215, 0.0000,
7.5967

232.9946,

 0.0430, 0.0000,

197.7122, 391.7840

3.7539

280.6023,
241.3143, 461.6959

■ 0.0000, 0.0000,
1.4913

■ 0.0000, 0.0000,
0.2115

■ 39.2857, 27.6722,
87.2751

■ 39.2857, 27.6722,
87.2751

■ 34.0480, 21.3569,
86.3327

■ 45.5506, 35.5963,
88.4749

■ 29.7677, 16.5274,
85.6261

■ 52.8992, 45.2334,
89.9478

■ 26.3701, 13.0471,
85.1334

■ 61.3877, 56.6823,
91.7102

■ 23.7655, 10.7509,
84.8275

■ 71.0668, 70.0333,
93.7771

■ 22.1580, 9.5714,
84.6845

■ 81.9844, 85.3706,
96.1620

■ 92.1744, 98.7513,
98.2077

■ 93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



29.4861, 27.6722, 111.6280



39.2857, 27.6722, 87.2751



46.4823, 27.6722, 50.7238

Triad

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



39.2857, 27.6722, 87.2751



32.7512, 27.6722, 3.2791



12.5323, 27.6722, 39.7848

Complementary

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



39.2857, 27.6722, 87.2751



55.1544, 75.2047, 28.1327

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.



13.0158, 27.6722, 16.0359



39.2857, 27.6722, 87.2751



23.3551, 27.6722, 2.7943

Square

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



39.2857, 27.6722, 87.2751



42.1459, 27.6722, 7.9821



16.5490, 27.6722, 5.7136



15.0284, 27.6722, 75.4158

Rectangle

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



39.2857, 27.6722, 87.2751



48.0372, 27.6722, 30.0801



16.5490, 27.6722, 5.7136



12.3686, 27.6722, 30.1806

Sweetspot

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



39.2868, 27.6732, 87.2758



75.5344, 72.6262, 104.6449



41.0855, 45.8352, 90.6866



15.6860, 14.8809, 22.2955



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.



39.2868, 27.6732, 87.2758



38.2876, 23.9848, 97.2193



56.0735, 36.3271, 88.0614



15.5642, 15.5725, 19.9071



12.0551, 5.2200, 45.5001



1.1155, 0.4923, 3.7905

Inverse Universe

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



51.7267, 34.9138, 50.4668



54.2340, 33.2823, 49.3158



43.2753, 69.0808, 27.5768



16.1404, 15.9059, 18.2956



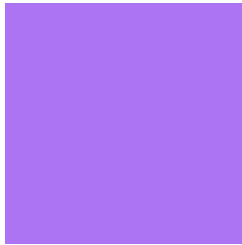
22.0696, 11.1003, 13.5490



1.8860, 0.9434, 1.3905

Previews

White Background



This preview shows how the XYZ color 39.2857, 27.6722, 87.2751 looks on a white background.

Color Contrast Check

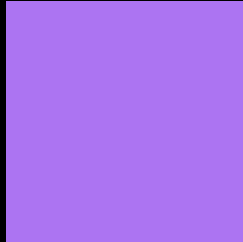
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.2857, 27.6722, 87.2751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

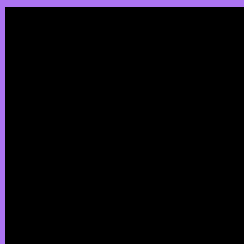
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.2857, 27.6722, 87.2751

Background



This preview shows how black text looks on a background with the XYZ color 39.2857, 27.6722, 87.2751.



This preview shows how white text looks on a background with the XYZ color 39.2857, 27.6722,

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

39.2857, 27.6722, 87.2751

Protanopia

31.5479, 28.1000, 98.3688

Deuteranopia

28.8599, 27.9339, 83.2276



Tritanopia

28.2552, 27.6358, 32.6992

Trichromacy



Original Color

39.2857, 27.6722, 87.2751



Protanomaly

32.9794, 27.0567, 93.9267



Deuteranomaly

31.2938, 27.0051, 84.4521



Tritanomaly

31.3615, 27.2286, 48.4025

Monochromacy



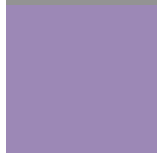
Original Color

39.2857, 27.6722, 87.2751



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

30.9580, 28.0536, 48.0392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2857, 27.6722, 87.2751 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(172, 116, 242)` looks like.

```
.text, #text, p{  
    color:rgb(172, 116, 242)  
}
```

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(172, 116, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 116, 242) }
```

Border

The CSS property to change the border of an element to XYZ 39.2857, 27.6722, 87.2751 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(172, 116, 242) }
```


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

```
.border{ border-color:rgb(172, 116, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 116, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 116, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 116, 242);  
box-shadow:4px 4px 4px 4px rgb(172, 116,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2857, 27.6722, 87.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 116, 242) }
```

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

```
.background{ background-color: rgb(172,  
116, 242) }
```

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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