

Converting Colors

XYZ(27.6399, 13.0374, 72.2944)

Have a look what the booklet for
XYZ(27.6399, 13.0374, 72.2944)
contains.

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Color

**XYZ(27.7454, 13.1047,
72.3013)**

Conversions

Conversions Part 1

Format	Color
Hex	9D14E1
RGB	157, 20, 225
RGB Percent	62%, 8%, 88%
CMY	0.3843, 0.9215, 0.1176
CMYK	0.30, 0.91, 0.00, 0.12
HSL	280°, 84%, 48%
HSV	280°, 91%, 88%
XYZ	27.7454, 13.1047, 72.3013
YIQ	84.3330, 15.8470, 92.7990

Conversions

Conversions Part 2

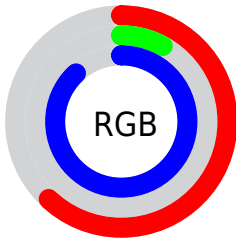
Format	Color
R _{YB}	157, 20, 225
Decimal	10294497
CIE _{Lab}	42.92, 77.71, -72.90
CIE _{LCh}	43, 106.553, 316.831
Yxy	13.1047, 0.2452, 0.1158
Android (android.graphics.Color)	4288484577 (0xFF9D14E1)
YUV	84.3330, 69.3488, 63.7290
Hunter-Lab	36.2004, 73.4586, -93.0767

Details

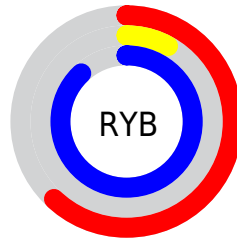
The XYZ color **27.7454, 13.1047, 72.3013** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **31.0764, 55.9760, 9.8286**, and the grayscale version is **8.3555, 8.7906, 9.5730**.

A 20% lighter version of the original color is **50.4064, 29.4539, 97.6362**, and **11.9976, 5.3685, 37.4497** is the 20% darker color. If you saturate the color by 10%, you get **26.2360, 11.9552, 72.1592**, and if you desaturate by 10%, it is **29.8429, 15.0705, 72.5705**.

Distribution



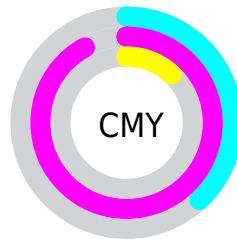
- Red (62%)
- Green (8%)
- Blue (88%)



- Red (62%)
- Yellow (8%)
- Blue (88%)



- Cyan (30%)
- Magenta (91%)
- Yellow (0%)
- Black (12%)





- Cyan (38%)
- Magenta (92%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7454, 13.1047, 72.3013 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 27.7454, 13.1047, 72.3013 by changing the saturation by 10% instead.

 27.7454, 13.1047,
72.3013


 27.7454, 13.1047,
72.3013


283.3505,
211.5876, 487.5953


 18.2733, 7.5007,
52.9165


 55.4892, 31.4918,
124.1965

 11.2473, 3.7771,
37.3488


 74.4916, 45.0436,
157.5440


 6.3019, 1.5497,
25.1798


 97.4015, 62.0135,
196.3828

 3.0719, 0.3233,
15.9908

 124.5842, 82.7858,
241.1314

 1.1919, 0.0000,
9.3634

 156.4051,
107.7450, 292.2085

 0.1000, 0.0000,
4.8789

 193.2296,

 0.0000, 0.0000,

137.2754, 350.0324

2.1189

235.4229,
171.7615, 415.0219

■ 0.0000, 0.0000,
0.6270

■ 0.0000, 0.0000,
0.0000

■ 27.7454, 13.1047,
72.3013

■ 27.7454, 13.1047,
72.3013

■ 26.2360, 11.9552,
72.1592

■ 29.8429, 15.0705,
72.5705

■ 32.4791, 17.9801,
72.9931

■ 35.7212, 21.9653,
73.5915

■ 39.6255, 27.1359,
74.3837

44.2408, 33.5878,
75.3858

49.6113, 41.4069,
76.6120

55.7770, 50.6717,
78.0753

62.7751, 61.4545,
79.7878

70.6404, 73.8225,
81.7605

Harmonies

Analogous

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



17.5688, 13.1047, 114.8274



27.7454, 13.1047, 72.3013



34.8059, 13.1047, 27.1366

Triad

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



27.7454, 13.1047, 72.3013



16.3795, 13.1047, 0.0000



2.6692, 13.1047, 31.6174

Complementary

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



27.7454, 13.1047, 72.3013



31.0764, 55.9760, 9.8286

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.



2.5774, 13.1047, 6.2895



27.7454, 13.1047, 72.3013



8.4453, 13.1047, 0.0000

Square

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



27.7454, 13.1047, 72.3013



26.5545, 13.1047, 0.0000



4.1634, 13.1047, 0.0771



4.5141, 13.1047, 78.4538

Rectangle

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



27.7454, 13.1047, 72.3013



35.4064, 13.1047, 9.5669



4.1634, 13.1047, 0.0771



2.4736, 13.1047, 20.3032

Sweetspot

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



27.7461, 13.1051, 72.3016



68.9720, 59.5840, 102.4734



17.3967, 12.6199, 72.7534



14.1825, 11.8885, 21.7972



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.



27.7461, 13.1051, 72.3016



34.7176, 15.8125, 95.8300



40.6875, 20.2624, 50.9613



13.8302, 13.6960, 17.3023



15.2468, 6.9553, 41.5873



1.1503, 0.5303, 2.8870

Inverse Universe

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



33.0633, 17.2127, 10.8128



42.8632, 21.9093, 10.4777



27.8838, 54.2674, 12.5161



13.8938, 13.7752, 15.2109



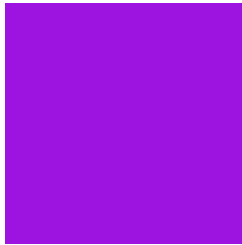
18.6662, 9.5335, 4.9079



1.3343, 0.6770, 0.5533

Previews

White Background



This preview shows how the XYZ color 27.7454, 13.1047, 72.3013 looks on a white background.

Color Contrast Check

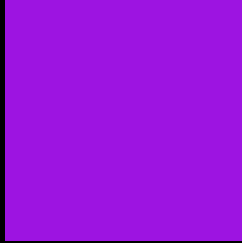
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.7454, 13.1047, 72.3013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

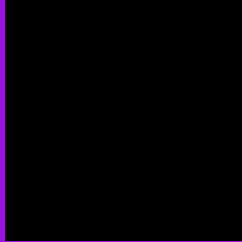
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7454, 13.1047, 72.3013

Background



This preview shows how black text looks on a background with the XYZ color 27.7454, 13.1047, 72.3013.



This preview shows how white text looks on a background with the XYZ color 27.7454, 13.1047,

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

27.7454, 13.1047, 72.3013

Deuteranopia

13.2898, 13.3984, 45.0657

Tritanopia

15.6754, 13.1402, 12.7765

Trichromacy



Original Color

27.7454, 13.1047, 72.3013



Deuteranomaly

14.0999, 9.7529, 53.3639



Tritanomaly

18.1190, 11.4896, 27.2493

Monochromacy



Original Color

27.7454, 13.1047, 72.3013



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

12.5975, 8.4663, 23.8919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7454, 13.1047, 72.3013 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(157, 20, 225)` looks like.

```
.text, #text, p{  
    color:rgb(157, 20, 225)  
}
```

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(157, 20, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 20, 225) }
```

Border

The CSS property to change the border of an element to XYZ 27.7454, 13.1047, 72.3013 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(157, 20, 225) }
```

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

```
.border{ border-color:rgb(157, 20, 225) }
```

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

Here you see how a box with a 4 pixel rgb(157, 20, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 20, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 20, 225);  
box-shadow:4px 4px 4px 4px rgb(157, 20,  
225) }
```


Background

The CSS property to change the background color of an element to XYZ 27.7454, 13.1047, 72.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 20, 225) }
```

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

```
.background{ background-color: rgb(157, 20,  
225) }
```

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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