

Converting Colors

XYZ(27.6777, 14.4542, 95.9389)

Have a look what the booklet for
XYZ(27.6777, 14.4542, 95.9389)
contains.

XYZ(27.7314, 14.4571, 95.9366)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.7314, 14.4571,
95.9366)**

Conversions

Conversions Part 1

Format	Color
Hex	7B3AFF
RGB	123, 58, 255
RGB Percent	48%, 23%, 100%
CMY	0.5176, 0.7726, 0.0000
CMYK	0.52, 0.77, 0.00, 0.00
HSL	260°, 100%, 61%
HSV	260°, 77%, 100%
XYZ	27.7314, 14.4571, 95.9366
YIQ	99.8930, -24.4970, 75.0470

Conversions

Conversions Part 2

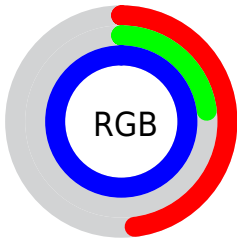
Format	Color
R _Y B	123, 58, 255
Decimal	8076031
CIE Lab	44.88, 69.21, -86.77
CIE LCh	45, 110.987, 308.575
Yxy	14.4571, 0.2008, 0.1047
Android (android.graphics.Color)	4286266111 (0xFF7B3AFF)
YUV	99.8930, 76.4678, 20.2648
Hunter-Lab	38.0225, 63.6482, -122.9820

Details

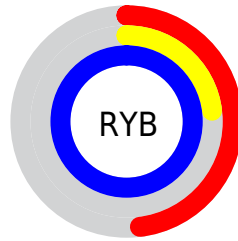
The XYZ color **27.7314, 14.4571, 95.9366** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **57.7573, 82.7718, 16.9353**, and the grayscale version is **11.9028, 12.5226, 13.6371**.

A 20% lighter version of the original color is **44.2048, 29.4694, 97.9660**, and **11.4433, 4.7350, 53.1341** is the 20% darker color. If you saturate the color by 10%, you get **24.5144, 11.3394, 95.5044**, and if you desaturate by 10%, it is **32.0122, 19.0666, 96.6007**.

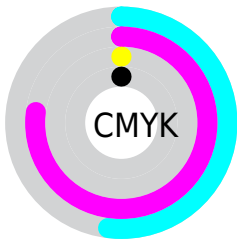
Distribution



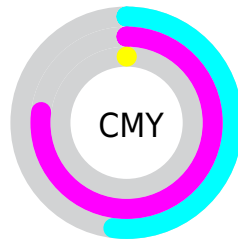
- Red (48%)
- Green (23%)
- Blue (100%)



- Red (48%)
- Yellow (23%)
- Blue (100%)



- Cyan (52%)
- Magenta (77%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (77%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7314, 14.4571, 95.9366 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 27.7314, 14.4571, 95.9366 by changing the saturation by 10% instead.

 27.7314, 14.4571,
95.9366


 27.7314, 14.4571,
95.9366


283.2846,
220.0562, 568.2198


 18.2627, 8.4393,
72.3136


 55.4670, 33.8979,
157.5646


 11.2396, 4.3773,
52.9265


 74.4646, 48.0897,
196.4067


 6.2967, 1.8868,
37.3567


 97.3691, 65.7749,
241.1588

 3.0687, 0.5404,
25.1859

 124.5461, 87.3379,
292.2396

 1.1902, 0.0000,
15.9953

 156.3608,
113.1632, 350.0676

 0.0986, 0.0000,
9.3665

193.1785,

 0.0000, 0.0000,

143.6350, 415.0612

4.8809

235.3647,
179.1379, 487.6391

■ 0.0000, 0.0000,
2.1201

■ 0.0000, 0.0000,
0.6277

■ 27.7314, 14.4571,
95.9366

■ 27.7314, 14.4571,
95.9366

■ 24.5144, 11.3394,
95.5044

■ 32.0122, 19.0666,
96.6007

■ 22.2300, 9.4876,
95.2674

■ 37.4577, 25.3430,
97.5252

■ 21.7192, 9.1115,
95.2217

■ 44.1583, 33.4374,
98.7344

■ 52.1941, 43.4829,
100.2498

■ 61.6380, 55.6000,
102.0909

■ 72.5574, 69.8992,
104.2755

■ 85.0151, 86.4832,
106.8199

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



16.5081, 14.4571, 134.7266



27.7314, 14.4571, 95.9366



37.1996, 14.4571, 41.9315

Triad

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



27.7314, 14.4571, 95.9366



21.1441, 14.4571, 0.0000



2.7060, 14.4571, 24.4222

Complementary

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



27.7314, 14.4571, 95.9366



57.7573, 82.7718, 16.9353

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.



3.0624, 14.4571, 3.6398



27.7314, 14.4571, 95.9366



11.3018, 14.4571, 0.0000

Square

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



27.7314, 14.4571, 95.9366



32.3749, 14.4571, 0.5716



5.4847, 14.4571, 0.0000



4.1208, 14.4571, 71.9143

Rectangle

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



27.7314, 14.4571, 95.9366



39.5783, 14.4571, 17.0156



5.4847, 14.4571, 0.0000



2.6423, 14.4571, 14.5323

Sweetspot

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



27.7322, 14.4574, 95.9367



66.1003, 61.4117, 102.9775



38.7802, 46.0901, 101.4601



13.3336, 12.0831, 21.8795



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.



27.7322, 14.4574, 95.9367



23.0988, 10.1403, 95.3476



48.7413, 25.2880, 96.9199



17.5676, 17.6688, 22.7345



11.4884, 4.8330, 49.7619



1.2283, 0.5272, 4.8503

Inverse Universe

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



52.0466, 28.0035, 51.3735



49.3643, 24.8519, 43.6570



41.1517, 74.2113, 16.1582



18.5228, 18.1924, 21.3704



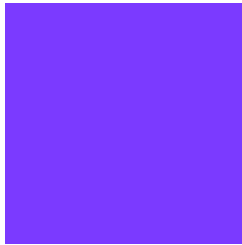
25.4544, 12.6710, 21.5750



2.5289, 1.2539, 2.3668

Previews

White Background



This preview shows how the XYZ color 27.7314, 14.4571, 95.9366 looks on a white background.

Color Contrast Check

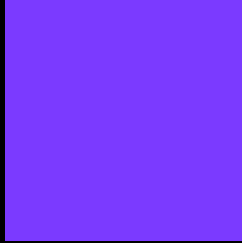
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7314, 14.4571, 95.9366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

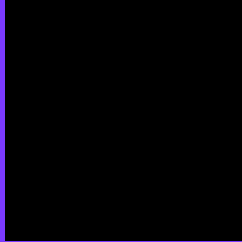
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7314, 14.4571, 95.9366

Background



This preview shows how black text looks on a background with the XYZ color 27.7314, 14.4571, 95.9366.



This preview shows how white text looks on a background with the XYZ color 27.7314, 14.4571,

95.9366.

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

27.7314, 14.4571, 95.9366

Protanopia

17.0171, 14.4090, 66.1743

Deuteranopia

14.1204, 14.3980, 47.3823



Tritanopia

12.2990, 14.2331, 19.5518

Trichromacy



Original Color

27.7314, 14.4571, 95.9366



Protanomaly

18.6929, 12.9266, 76.3728



Deuteranomaly

16.3712, 12.5234, 62.5272



Tritanomaly

15.6328, 12.7961, 38.6917

Monochromacy



Original Color

27.7314, 14.4571, 95.9366



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

15.4336, 12.0854, 32.9718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7314, 14.4571, 95.9366 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(123, 58, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 58, 255)  
}
```

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(123, 58, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 58, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.7314, 14.4571, 95.9366 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(123, 58, 255) }
```


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

```
.border{ border-color:rgb(123, 58, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 58, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 58, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 58, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 58,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7314, 14.4571, 95.9366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 58, 255) }
```

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

```
.background{ background-color: rgb(123, 58,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor