

Converting Colors

XYZ(28.0125, 14.1175, 95.8563)

Have a look what the booklet for
XYZ(28.0125, 14.1175, 95.8563)
contains.

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Color

**XYZ(27.9862, 14.0997,
95.8542)**

Conversions

Conversions Part 1

Format	Color
Hex	7F33FF
RGB	127, 51, 255
RGB Percent	50%, 20%, 100%
CMY	0.5019, 0.8000, 0.0000
CMYK	0.50, 0.80, 0.00, 0.00
HSL	262°, 100%, 60%
HSV	262°, 80%, 100%
XYZ	27.9862, 14.0997, 95.8542
YIQ	96.9800, -20.1880, 79.5560

Conversions

Conversions Part 2

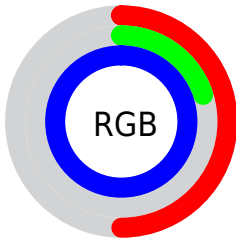
Format	Color
R_{YB}	127, 51, 255
Decimal	8336383
CIE _{Lab}	44.38, 72.40, -87.59
CIE _{LCh}	44, 113.634, 309.577
Yxy	14.0997, 0.2029, 0.1022
Android (android.graphics.Color)	4286526463 (0xFF7F33FF)
YUV	96.9800, 77.9039, 26.3275
Hunter-Lab	37.5496, 67.3267, -125.0671

Details

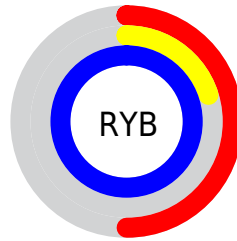
The XYZ color **27.9862, 14.0997, 95.8542** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **54.9464, 81.3419, 15.9364**, and the grayscale version is **11.1766, 11.7587, 12.8052**.

A 20% lighter version of the original color is **44.5429, 28.6825, 97.7964**, and **11.7654, 4.9011, 53.1492** is the 20% darker color. If you saturate the color by 10%, you get **24.9647, 11.3167, 95.4763**, and if you desaturate by 10%, it is **31.9975, 18.2980, 96.4531**.

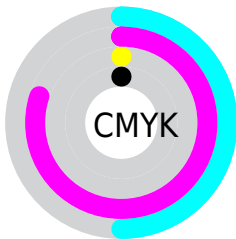
Distribution



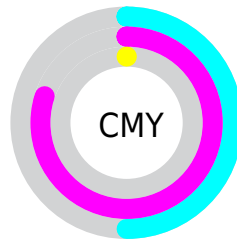
- Red (50%)
- Green (20%)
- Blue (100%)



- Red (50%)
- Yellow (20%)
- Blue (100%)



- Cyan (50%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9862, 14.0997, 95.8542 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 27.9862, 14.0997, 95.8542 by changing the saturation by 10% instead.

 27.9862, 14.0997,
95.8542

 27.9862, 14.0997,
95.8542

284.4822,
217.8502, 567.9501


 18.4557, 8.1900,
72.2453


 55.8712, 33.2658,
157.4499


 11.3793, 4.2168,
52.8710


 74.9564, 47.2911,
196.2738


 6.3917, 1.7956,
37.3128


 97.9571, 64.7903,
241.0065

 3.1276, 0.4844,
25.1521

 125.2389, 86.1480,
292.0664

 1.2216, 0.0000,
15.9704

 157.1669,
111.7484, 349.8722

 0.1233, 0.0000,
9.3491

 194.1065,

 0.0000, 0.0000,

141.9759, 414.8424

4.8696

236.4232,
177.2151, 487.3955

■ 0.0000, 0.0000,
2.1136

■ 0.0000, 0.0000,
0.6238

■ 27.9862, 14.0997,
95.8542

■ 27.9862, 14.0997,
95.8542

■ 24.9647, 11.3167,
95.4763

■ 31.9975, 18.2980,
96.4531

■ 22.7701, 9.6533,
95.2709

■ 37.1001, 24.0939,
97.3029

■ 43.3839, 31.6423,
98.4287

■ 50.9275, 41.0788,
99.8526

■ 59.8024, 52.5253,
101.5942

■ 70.0743, 66.0933,
103.6717

■ 81.8042, 81.8858,
106.1017

■ 95.0494, 99.9991,
108.8999

■ 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.



16.5394, 14.0997, 137.4405



27.9862, 14.0997, 95.8542



37.5035, 14.0997, 40.4274

Triad

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



27.9862, 14.0997, 95.8542



20.5079, 14.0997, 0.0000



2.4744, 14.0997, 25.3282

Complementary

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



27.9862, 14.0997, 95.8542



54.9464, 81.3419, 15.9364

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.



2.7635, 14.0997, 3.6426



27.9862, 14.0997, 95.8542



10.6876, 14.0997, 0.0000

Square

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



27.9862, 14.0997, 95.8542



31.9972, 14.0997, 0.2874



5.0396, 14.0997, 0.0000



3.9134, 14.0997, 74.8276

Rectangle

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



27.9862, 14.0997, 95.8542



39.7369, 14.0997, 15.7262



5.0396, 14.0997, 0.0000



2.3961, 14.0997, 14.9841

Sweetspot

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



27.9870, 14.1000, 95.8542



65.7944, 60.4054, 102.7994



35.7768, 40.6469, 100.5677



13.3080, 11.9077, 21.8470



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.



27.9870, 14.1000, 95.8542



23.5733, 10.2317, 95.3402



51.1652, 26.0488, 96.9390



17.6423, 17.7073, 22.7380



12.0489, 5.1219, 49.7882



1.2891, 0.5585, 4.8531

Inverse Universe

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



50.5598, 26.8820, 45.1682



48.0328, 24.1543, 37.1544



39.5157, 73.3871, 15.2143



18.4888, 18.1788, 21.1912



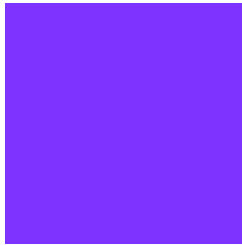
24.9386, 12.4647, 18.8589



2.4811, 1.2348, 2.1149

Previews

White Background



This preview shows how the XYZ color 27.9862, 14.0997, 95.8542 looks on a white background.

Color Contrast Check

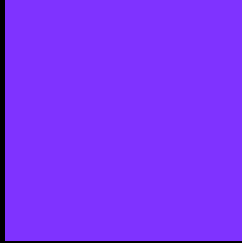
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9862, 14.0997, 95.8542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

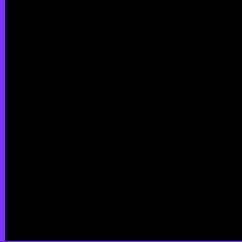
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.9862, 14.0997, 95.8542

Background



This preview shows how black text looks on a background with the XYZ color 27.9862, 14.0997, 95.8542.



This preview shows how white text looks on a background with the XYZ color 27.9862, 14.0997,

95.8542.

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

27.9862, 14.0997, 95.8542

Protanopia

16.5373, 14.0608, 64.1298

Deuteranopia

13.8061, 14.1025, 46.2504



Tritanopia

12.4454, 14.0123, 18.5717

Trichromacy



Original Color

27.9862, 14.0997, 95.8542



Protanomaly

18.2236, 12.3688, 74.8257



Deuteranomaly

16.0435, 12.0007, 61.7924



Tritanomaly

15.8627, 12.4312, 38.1226

Monochromacy



Original Color

27.9862, 14.0997, 95.8542



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

14.8857, 11.2586, 31.9604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9862, 14.0997, 95.8542 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(127, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 51, 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(127, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.9862, 14.0997, 95.8542 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(127, 51, 255) }
```


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

```
.border{ border-color:rgb(127, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9862, 14.0997, 95.8542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 51, 255) }
```

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

```
.background{ background-color: rgb(127, 51,  
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](#).

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