

Converting Colors

XYZ(27.8253, 17.3982, 87.4796)

Have a look what the booklet for
XYZ(27.8253, 17.3982, 87.4796)
contains.

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Color

**XYZ(27.8253, 17.3982,
87.4796)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7B56F4 |
| RGB | 123, 86, 244 |
| RGB Percent | 48%, 34%, 96% |
| CMY | 0.5176, 0.6627, 0.0431 |
| CMYK | 0.50, 0.65, 0.00, 0.04 |
| HSL | 254°, 88%, 65% |
| HSV | 254°, 65%, 96% |
| XYZ | 27.8253, 17.3982, 87.4796 |
| YIQ | 115.0750, -28.6660, 56.9820 |

Conversions

Conversions Part 2

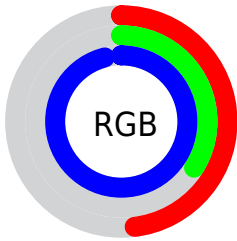
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 123, 86, 244 |
| Decimal | 8083188 |
| CIE _{Lab} | 48.76, 52.87, -74.28 |
| CIE _{LCh} | 49, 91.172, 305.443 |
| Yxy | 17.3982, 0.2097, 0.1311 |
| Android (android.graphics.Color) | 4286273268 (0xFF7B56F4) |
| YUV | 115.0750, 63.5600, 6.9502 |
| Hunter-Lab | 41.7111, 46.0819, -95.1494 |

Details

The XYZ color **27.8253, 17.3982, 87.4796** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **59.7615, 78.6384, 20.8332**, and the grayscale version is **16.1389, 16.9794, 18.4906**.

A 20% lighter version of the original color is **46.6669, 35.4642, 98.9934**, and **11.3454, 5.7491, 47.5254** is the 20% darker color. If you saturate the color by 10%, you get **23.7763, 12.8959, 86.8244**, and if you desaturate by 10%, it is **33.0508, 23.4937, 88.3811**.

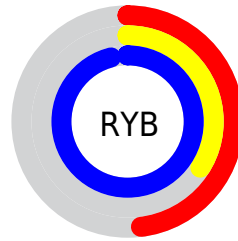
Distribution



Red (48%)

Green (34%)

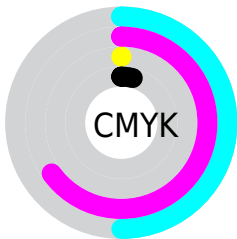
Blue (96%)



Red (48%)

Yellow (34%)

Blue (96%)

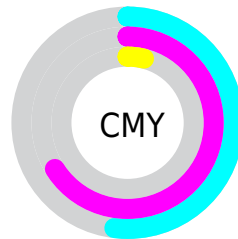


Cyan (50%)

Magenta (65%)

Yellow (0%)

Black (4%)



Cyan (52%)

Magenta (66%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8253, 17.3982, 87.4796 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 27.8253, 17.3982, 87.4796 by changing the saturation by 10% instead.

■ 27.8253, 17.3982,
87.4796

■ 27.8253, 17.3982,
87.4796

283.7264,
237.4568, 540.1546

■ 18.3338, 10.5188,
65.3303

■ 55.6160, 39.0092,
145.7372

■ 11.2910, 5.7443,
47.2759

■ 74.6459, 54.5095,
182.6826

■ 6.3317, 2.6902,
32.8979

■ 97.5860, 73.6523,
225.3970

■ 3.0904, 0.9722,
21.7778

■ 124.8016, 96.8219,
274.2991

■ 1.2017, 0.0000,
13.4969

■ 156.6581,
124.4028, 329.8074

■ 0.1077, 0.0000,
7.6369

193.5208,

■ 0.0000, 0.0000,

156.7793, 392.3403

3.7791

235.7551,
194.3358, 462.3166

■ 0.0000, 0.0000,
1.5049

■ 0.0000, 0.0000,
0.2216

■ 27.8253, 17.3982,
87.4796

■ 27.8253, 17.3982,
87.4796

■ 23.7763, 12.8959,
86.8244

■ 33.0508, 23.4937,
88.3811

■ 20.8012, 9.8285,
86.3891

■ 39.5379, 31.3165,
89.5492

■ 18.7819, 8.0060,
86.1438

■ 47.3665, 40.9881,
91.0034

■ 18.0250, 7.4059,
86.0678

■ 56.6089, 52.6184,
92.7611

67.3321, 66.3087,
94.8385

79.5986, 82.1530,
97.2502

92.8902, 99.0854,
99.8179

93.3292, 99.3117,
99.8385

Harmonies

Analogous

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



18.1217, 17.3982, 112.8706



27.8253, 17.3982, 87.4796



36.0869, 17.3982, 45.5155

Triad

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



27.8253, 17.3982, 87.4796



24.2262, 17.3982, 0.0797



5.0822, 17.3982, 23.6957

Complementary

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



27.8253, 17.3982, 87.4796



59.7615, 78.6384, 20.8332

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.



5.7431, 17.3982, 5.4620



27.8253, 17.3982, 87.4796



15.0465, 17.3982, 0.0000

Square

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



27.8253, 17.3982, 87.4796



33.5621, 17.3982, 2.7643



8.8073, 17.3982, 0.6844



6.5366, 17.3982, 60.6096

Rectangle

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



27.8253, 17.3982, 87.4796



38.5193, 17.3982, 22.8748



8.8073, 17.3982, 0.6844



5.0722, 17.3982, 15.4909

Sweetspot

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



27.8262, 17.3987, 87.4801



69.1367, 66.5175, 103.8030



42.5123, 53.2007, 93.6165



14.0783, 13.3194, 22.0788



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.



27.8262, 17.3987, 87.4801



25.0264, 12.9230, 95.7831



43.9782, 25.7254, 88.2360



15.9444, 16.1140, 20.8125



9.9004, 4.0782, 46.8034



0.9574, 0.4034, 4.1176

Inverse Universe

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



51.8982, 30.3936, 62.1599



54.0954, 28.6726, 62.6264



42.9528, 69.9732, 20.0465



17.0379, 16.6980, 19.9462



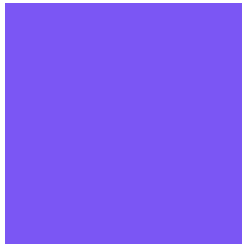
25.2102, 12.4275, 26.8791



2.2549, 1.1079, 2.5689

Previews

White Background



This preview shows how the XYZ color 27.8253, 17.3982, 87.4796 looks on a white background.

Color Contrast Check

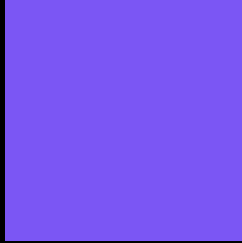
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8253, 17.3982, 87.4796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

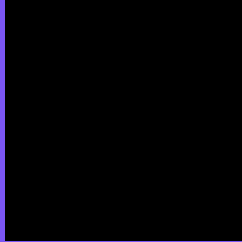
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.8253, 17.3982, 87.4796

Background



This preview shows how black text looks on a background with the XYZ color 27.8253, 17.3982, 87.4796.



This preview shows how white text looks on a background with the XYZ color 27.8253, 17.3982,

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

27.8253, 17.3982, 87.4796

Protanopia

20.8248, 17.4250, 81.6227

Deuteranopia

17.3775, 17.3165, 59.5533



Tritanopia

14.9622, 17.2183, 23.6540

Trichromacy



Original Color

27.8253, 17.3982, 87.4796



Protanomaly

21.4135, 16.2926, 83.6775



Deuteranomaly

19.0224, 15.9804, 69.0998



Tritanomaly

18.1927, 16.4902, 40.7521

Monochromacy



Original Color

27.8253, 17.3982, 87.4796



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

18.9431, 16.3608, 36.3420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8253, 17.3982, 87.4796 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, 86, 244)` looks like.

```
.text, #text, p{  
    color:rgb(123, 86, 244)  
}
```

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, 86, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 86, 244) }
```

Border

The CSS property to change the border of an element to XYZ 27.8253, 17.3982, 87.4796 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, 86, 244) }
```


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

```
.border{ border-color:rgb(123, 86, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 86, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 86, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 86, 244);  
box-shadow:4px 4px 4px 4px rgb(123, 86,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8253, 17.3982, 87.4796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 86, 244) }
```

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

```
.background{ background-color: rgb(123, 86,  
244) }
```

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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