

Converting Colors

XYZ(27.8616, 14.0357, 95.8484)

Have a look what the booklet for
XYZ(27.8616, 14.0357, 95.8484)
contains.

XYZ(27.8380, 14.0233, 95.8473)	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(27.8380, 14.0233,
95.8473)**

Conversions

Conversions Part 1

Format	Color
Hex	7E33FF
RGB	126, 51, 255
RGB Percent	49%, 20%, 100%
CMY	0.5059, 0.8000, 0.0000
CMYK	0.51, 0.80, 0.00, 0.00
HSL	262°, 100%, 60%
HSV	262°, 80%, 100%
XYZ	27.8380, 14.0233, 95.8473
YIQ	96.6810, -20.7840, 79.3440

Conversions

Conversions Part 2

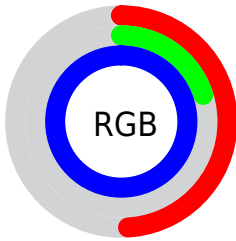
Format	Color
R _Y B	126, 51, 255
Decimal	8270847
CIE _{Lab}	44.27, 72.28, -87.77
CIE _{LCh}	44, 113.702, 309.473
Yxy	14.0233, 0.2022, 0.1018
Android (android.graphics.Color)	4286460927 (0xFF7E33FF)
YUV	96.6810, 78.0513, 25.7128
Hunter-Lab	37.4477, 67.1605, -125.5392

Details

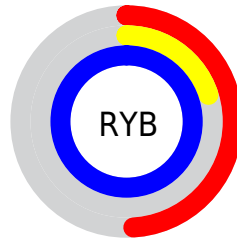
The XYZ color **27.8380, 14.0233, 95.8473** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **55.1783, 81.4615, 15.9473**, and the grayscale version is **11.1038, 11.6820, 12.7217**.

A 20% lighter version of the original color is **44.2940, 28.5542, 97.7847**, and **11.6536, 4.8434, 53.1440** is the 20% darker color. If you saturate the color by 10%, you get **24.8241, 11.2442, 95.4697**, and if you desaturate by 10%, it is **31.8466, 18.2202, 96.4461**.

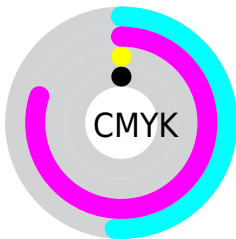
Distribution



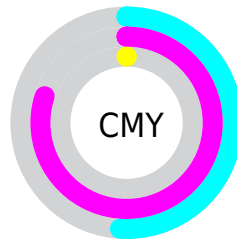
- Red (49%)
- Green (20%)
- Blue (100%)



- Red (49%)
- Yellow (20%)
- Blue (100%)



- Cyan (51%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8380, 14.0233, 95.8473 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 27.8380, 14.0233, 95.8473 by changing the saturation by 10% instead.


 27.8380, 14.0233,
95.8473


 27.8380, 14.0233,
95.8473


283.7861,
217.3757, 567.9275


 18.3434, 8.1369,
72.2396


 55.6362, 33.1304,
157.4403


 11.2980, 4.1827,
52.8664


 74.6704, 47.1198,
196.2627

 6.3364, 1.7763,
37.3091


 97.6153, 64.5790,
240.9937

 3.0933, 0.4723,
25.1493

 124.8361, 85.8924,
292.0519

 1.2033, 0.0000,
15.9683

 156.6983,
111.4444, 349.8559

 0.1090, 0.0000,
9.3476

 193.5671,

 0.0000, 0.0000,

141.6193, 414.8241

4.8687

235.8079,
176.8017, 487.3751

■ 0.0000, 0.0000,
2.1130

■ 0.0000, 0.0000,
0.6235

■ 27.8380, 14.0233,
95.8473

■ 27.8380, 14.0233,
95.8473

■ 24.8241, 11.2442,
95.4697

■ 31.8466, 18.2202,
96.4461

■ 22.6413, 9.5869,
95.2649

■ 36.9518, 24.0174,
97.2960

■ 43.2439, 31.5701,
98.4222

■ 50.8020, 41.0140,
99.8467

■ 59.6978, 52.4713,
101.5893

■ 69.9973, 66.0536,
103.6681

■ 81.7620, 81.8640,
106.0998

95.0493, 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.



16.4216, 14.0233, 137.2730



27.8380, 14.0233, 95.8473



37.3563, 14.0233, 40.4523

Triad

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



27.8380, 14.0233, 95.8473



20.4561, 14.0233, 0.0000



2.4459, 14.0233, 25.0931

Complementary

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



27.8380, 14.0233, 95.8473



55.1783, 81.4615, 15.9473

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.



2.7387, 14.0233, 3.5741



27.8380, 14.0233, 95.8473



10.6508, 14.0233, 0.0000

Square

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



27.8380, 14.0233, 95.8473



31.9180, 14.0233, 0.2825



5.0112, 14.0233, 0.0000



3.8691, 14.0233, 74.4395

Rectangle

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



27.8380, 14.0233, 95.8473



39.6077, 14.0233, 15.7350



5.0112, 14.0233, 0.0000



2.3699, 14.0233, 14.8122

Sweetspot

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



27.8388, 14.0236, 95.8473



65.7055, 60.3596, 102.7952



35.7768, 40.6469, 100.5677



13.2869, 11.8968, 21.8460



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.



27.8388, 14.0236, 95.8473



23.4393, 10.1626, 95.3339



51.1652, 26.0488, 96.9390



17.6337, 17.7029, 22.7376



11.9803, 5.0866, 49.7850



1.2818, 0.5547, 4.8528

Inverse Universe

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



50.6613, 26.9226, 45.7027



48.1415, 24.1978, 37.7269



39.5157, 73.3871, 15.2143



18.4927, 18.1804, 21.2118



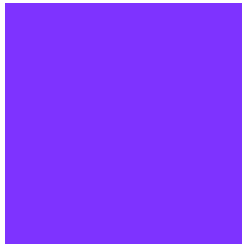
24.9958, 12.4876, 19.1600



2.4864, 1.2369, 2.1430

Previews

White Background



This preview shows how the XYZ color 27.8380, 14.0233, 95.8473 looks on a white background.

Color Contrast Check

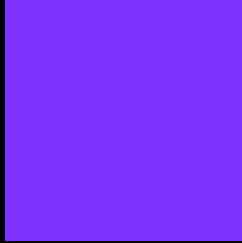
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8380, 14.0233, 95.8473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

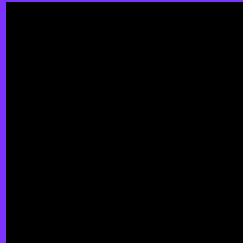
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.8380, 14.0233, 95.8473

Background



This preview shows how black text looks on a background with the XYZ color 27.8380, 14.0233, 95.8473.



This preview shows how white text looks on a background with the XYZ color 27.8380, 14.0233,

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

27.8380, 14.0233, 95.8473

Protanopia

16.5373, 14.0608, 64.1298

Deuteranopia

13.7012, 13.8928, 46.2154



Tritanopia

12.3527, 13.9645, 18.5674

Trichromacy



Original Color

27.8380, 14.0233, 95.8473



Protanomaly

18.2236, 12.3688, 74.8257



Deuteranomaly

16.0435, 12.0007, 61.7924



Tritanomaly

15.7501, 12.3731, 38.1173

Monochromacy



Original Color

27.8380, 14.0233, 95.8473



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 27.8380, 14.0233, 95.8473 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(126, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.8380, 14.0233, 95.8473 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(126, 51, 255) }
```


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

```
.border{ border-color:rgb(126, 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(126, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8380, 14.0233, 95.8473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 51, 255) }
```

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

```
.background{ background-color: rgb(126, 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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