

Converting Colors

XYZ(32.1578, 28.4714, 78.2966)

Have a look what the booklet for
XYZ(32.1578, 28.4714, 78.2966)
contains.

XYZ(32.2735, 28.4793, 78.6590)	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(32.2735, 28.4793,
78.6590)**

Conversions

Conversions Part 1

Format	Color
Hex	808AE6
RGB	128, 138, 230
RGB Percent	50%, 54%, 90%
CMY	0.4980, 0.4588, 0.0980
CMYK	0.44, 0.40, 0.00, 0.10
HSL	234°, 67%, 70%
HSV	234°, 44%, 90%
XYZ	32.2735, 28.4793, 78.6590
YIQ	145.4980, -35.4920, 26.4920

Conversions

Conversions Part 2

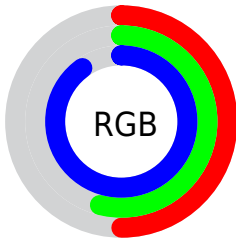
Format	Color
RYB	128, 137, 230
Decimal	8424166
CIELab	60.32, 19.86, -47.87
CIELCh	60, 51.828, 292.533
Yxy	28.4793, 0.2315, 0.2043
Android (android.graphics.Color)	4286614246 (0xFF808AE6)
YUV	145.4980, 41.6595, -15.3457
Hunter-Lab	53.3660, 14.5587, -50.0345

Details

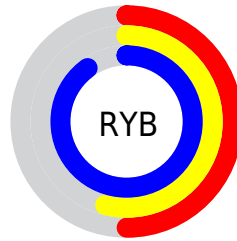
The XYZ color **32.2735, 28.4793, 78.6590** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **62.1241, 69.5700, 30.5777**, and the grayscale version is **26.9631, 28.3673, 30.8920**.

A 20% lighter version of the original color is **56.6884, 54.7959, 102.1966**, and **13.7282, 11.3750, 41.5164** is the 20% darker color. If you saturate the color by 10%, you get **26.5005, 21.4992, 77.6165**, and if you desaturate by 10%, it is **39.4012, 37.0026, 79.9290**.

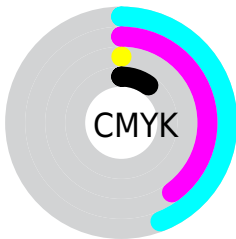
Distribution



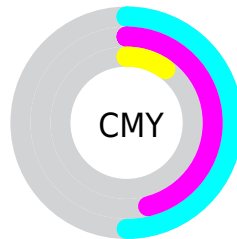
- Red (50%)
- Green (54%)
- Blue (90%)



- Red (50%)
- Yellow (54%)
- Blue (90%)



- Cyan (44%)
- Magenta (40%)
- Yellow (0%)
- Black (10%)



- Cyan (50%)
- Magenta (46%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2735, 28.4793, 78.6590 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 32.2735, 28.4793, 78.6590 by changing the saturation by 10% instead.

■ 32.2735, 28.4793,
78.6590

■ 32.2735, 28.4793,
78.6590

304.0865,
294.7502, 509.9891

■ 21.7270, 18.6873,
58.0958

■ 62.6019, 57.2488,
133.2730

■ 13.7720, 11.4445,
41.4705

■ 83.1146, 76.9950,
168.1609

■ 8.0429, 6.3667,
28.3644

■ 107.6800,
100.8281, 208.6608

■ 4.1744, 3.0693,
18.3591

136.6636,
129.1324, 255.1912

■ 1.8013, 1.1680,
11.0360

170.4307,
162.2924, 308.1707

■ 0.5184, 0.0353,
5.9766

209.3466,

■ 0.0000, 0.0000,

200.6924, 368.0179

2.7623

253.7768,
244.7169, 435.1511

■ 0.0000, 0.0000,
0.9746

■ 0.0000, 0.0000,
0.0000

■ 32.2735, 28.4793,
78.6590

■ 32.2735, 28.4793,
78.6590

■ 26.5005, 21.4992,
77.6165

■ 39.4012, 37.0026,
79.9290

■ 21.9927, 15.9665,
76.7862

■ 47.9588, 47.1508,
81.4368

■ 18.6552, 11.7797,
76.1540

■ 58.0200, 59.0036,
83.1944

■ 16.3779, 8.8226,
75.7032

■ 69.6522, 72.6345,
85.2123

■ 15.0290, 6.9586,
75.4145

■ 82.9189, 88.1127,
87.5007

■ 14.5805, 6.3081,
75.3126

■ 91.2830, 98.4932,
89.0635

Harmonies

Analogous

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



25.4398, 28.4793, 83.3749



32.2735, 28.4793, 78.6590



38.5461, 28.4793, 59.0652

Triad

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



32.2735, 28.4793, 78.6590



35.6212, 28.4793, 10.0712



16.2617, 28.4793, 26.4868

Complementary

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



32.2735, 28.4793, 78.6590



62.1241, 69.5700, 30.5777

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.



18.1310, 28.4793, 13.6339



32.2735, 28.4793, 78.6590



28.7657, 28.4793, 7.0200

Square

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



32.2735, 28.4793, 78.6590



40.6892, 28.4793, 18.9805



22.4560, 28.4793, 7.9846



16.8876, 28.4793, 47.2764

Rectangle

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



32.2735, 28.4793, 78.6590



41.1988, 28.4793, 43.3589



22.4560, 28.4793, 7.9846



16.6068, 28.4793, 21.2599

Sweetspot

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



32.2746, 28.4803, 78.6597



75.0803, 76.6300, 105.4417



50.0918, 66.3404, 77.7370



15.4181, 15.6359, 22.4554



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.



32.2746, 28.4803, 78.6597



34.1758, 28.0040, 98.2118



38.3228, 29.5660, 78.5505



13.6959, 14.1132, 18.1466



8.2944, 3.6509, 42.6507



0.6518, 0.3475, 3.1647

Inverse Universe

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



44.9408, 34.0977, 28.2584



52.1788, 36.3530, 26.4922



53.2301, 68.9974, 30.9360



14.4341, 14.3908, 15.2204



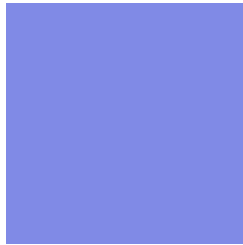
18.5801, 9.5663, 1.4181



1.3926, 0.7148, 0.2081

Previews

White Background



This preview shows how the XYZ color 32.2735, 28.4793, 78.6590 looks on a white background.

Color Contrast Check

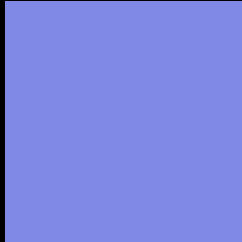
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.2735, 28.4793, 78.6590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

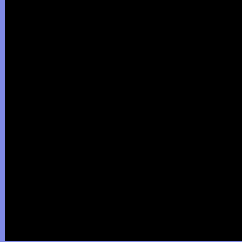
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2735, 28.4793, 78.6590

Background



This preview shows how black text looks on a background with the XYZ color 32.2735, 28.4793, 78.6590.



This preview shows how white text looks on a background with the XYZ color 32.2735, 28.4793,

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

32.2735, 28.4793, 78.6590

Protanopia

30.8310, 28.5377, 81.7253

Deuteranopia

29.3845, 28.5616, 77.3630



Tritanopia

24.3595, 28.4518, 39.3298

Trichromacy



Original Color

32.2735, 28.4793, 78.6590

Protanomaly

31.4353, 28.6459, 80.9632

Deuteranomaly

30.2463, 28.3181, 78.0005

Tritanomaly

26.8469, 28.2802, 51.6206

Monochromacy



Original Color

32.2735, 28.4793, 78.6590

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.4057, 28.3082, 45.5619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2735, 28.4793, 78.6590 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(128, 138, 230)` looks like.

```
.text, #text, p{  
    color:rgb(128, 138, 230)  
}
```

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(128, 138, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 138, 230) }
```

Border

The CSS property to change the border of an element to XYZ 32.2735, 28.4793, 78.6590 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(128, 138, 230) }
```


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

```
.border{ border-color:rgb(128, 138, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 138, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 138, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 138, 230);  
box-shadow:4px 4px 4px 4px rgb(128, 138,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2735, 28.4793, 78.6590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 138, 230) }
```

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

```
.background{ background-color: rgb(128,  
138, 230) }
```

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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