

Converting Colors

XYZ(33.1712, 30.0479, 78.1803)

Have a look what the booklet for
XYZ(33.1712, 30.0479, 78.1803)
contains.

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Color

**XYZ(33.1712, 30.0479,
78.1803)**

Conversions

Conversions Part 1

Format	Color
Hex	828FE5
RGB	130, 143, 229
RGB Percent	51%, 56%, 90%
CMY	0.4902, 0.4392, 0.1020
CMYK	0.43, 0.38, 0.00, 0.10
HSL	232°, 66%, 70%
HSV	232°, 43%, 90%
XYZ	33.1712, 30.0479, 78.1803
YIQ	148.9170, -35.3540, 23.9900

Conversions

Conversions Part 2

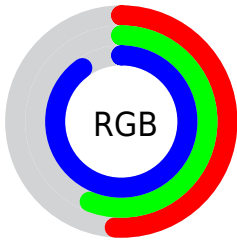
Format	Color
R_{YB}	130, 141, 229
Decimal	8556517
CIE _{Lab}	61.70, 17.13, -45.13
CIE _{LCh}	62, 48.277, 290.788
Yxy	30.0479, 0.2346, 0.2125
Android (android.graphics.Color)	4286746597 (0xFF828FE5)
YUV	148.9170, 39.4809, -16.5902
Hunter-Lab	54.8160, 12.0891, -46.1901

Details

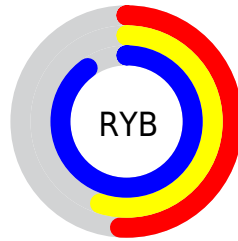
The XYZ color **33.1712, 30.0479, 78.1803** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **60.8994, 67.3829, 30.9169**, and the grayscale version is **28.3831, 29.8613, 32.5189**.

A 20% lighter version of the original color is **58.5098, 57.7173, 102.6645**, and **14.2812, 12.3017, 41.1569** is the 20% darker color. If you saturate the color by 10%, you get **27.3154, 22.9825, 77.1257**, and if you desaturate by 10%, it is **40.3404, 38.5775, 79.4494**.

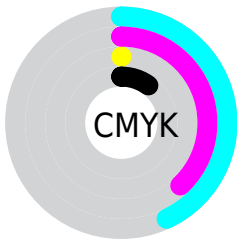
Distribution



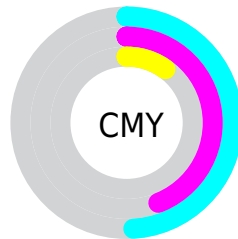
- Red (51%)
- Green (56%)
- Blue (90%)



- Red (51%)
- Yellow (55%)
- Blue (90%)



- Cyan (43%)
- Magenta (38%)
- Yellow (0%)
- Black (10%)



- Cyan (49%)
- Magenta (44%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1712, 30.0479, 78.1803 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 33.1712, 30.0479, 78.1803 by changing the saturation by 10% instead.

■ 33.1712, 30.0479,
78.1803

■ 33.1712, 30.0479,
78.1803

308.0718,
302.1277, 508.3231

■ 22.4175, 19.8749,
57.7048

■ 63.9956, 59.7379,
132.5924

■ 14.2823, 12.3042,
41.1582

■ 84.7970, 80.0238,
167.3661

■ 8.4003, 6.9512,
28.1221

■ 109.6784,
104.4494, 207.7430

■ 4.4061, 3.4316,
18.1779

139.0051,
133.3992, 254.1415

■ 1.9343, 1.3610,
10.9070

173.1424,
167.2575, 306.9802

■ 0.5967, 0.1877,
5.8910

212.4557,

■ 0.0000, 0.0000,

206.4087, 366.6777

2.7112

257.3104,
251.2373, 433.6524

■ 0.0000, 0.0000,
0.9490

■ 0.0000, 0.0000,
0.0000

■ 33.1712, 30.0479,
78.1803

■ 33.1712, 30.0479,
78.1803

■ 27.3154, 22.9825,
77.1257

■ 40.3404, 38.5775,
79.4494

■ 22.6892, 17.2949,
76.2718

■ 48.8932, 48.6445,
80.9417

■ 19.2042, 12.8950,
75.6062

■ 58.8987, 60.3208,
82.6682

■ 16.7587, 9.6797,
75.1145

■ 70.4205, 73.6731,
84.6381

■ 15.2318, 7.5300,
74.7800

■ 83.5183, 88.7643,
86.8607

■ 14.6090, 6.5892,
74.6312

■ 91.1430, 98.4372,
88.3259

Harmonies

Analogous

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



26.6276, 30.0479, 81.5273



33.1712, 30.0479, 78.1803



39.2380, 30.0479, 60.5612

Triad

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



33.1712, 30.0479, 78.1803



37.1011, 30.0479, 12.2507



18.0204, 30.0479, 27.3746

Complementary

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



33.1712, 30.0479, 78.1803



60.8994, 67.3829, 30.9169

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.



20.0190, 30.0479, 15.0627



33.1712, 30.0479, 78.1803



30.5829, 30.0479, 8.7490

Square

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



33.1712, 30.0479, 78.1803



41.7328, 30.0479, 21.7003



24.3966, 30.0479, 9.5380



18.4989, 30.0479, 46.9452

Rectangle

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



33.1712, 30.0479, 78.1803



41.8825, 30.0479, 45.7920



24.3966, 30.0479, 9.5380



18.4121, 30.0479, 22.4029

Sweetspot

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



33.1723, 30.0490, 78.1810



75.3798, 77.2289, 105.5415



49.5951, 65.7328, 74.9049



15.4909, 15.7815, 22.4796



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.



33.1723, 30.0490, 78.1810



35.4832, 30.0877, 98.5451



37.9156, 29.7633, 77.8759



13.7346, 14.1906, 18.1595



8.4013, 3.8648, 42.6864



0.6702, 0.3844, 3.1708

Inverse Universe

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



45.2546, 34.6077, 30.2823



52.9684, 37.1654, 29.1197



53.9655, 68.9492, 31.5847



14.4536, 14.3986, 15.3233



18.6341, 9.5879, 1.7023



1.4019, 0.7185, 0.2571

Previews

White Background



This preview shows how the XYZ color 33.1712, 30.0479, 78.1803 looks on a white background.

Color Contrast Check

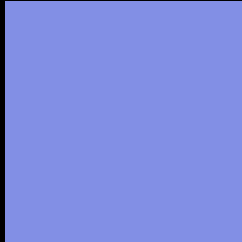
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1712, 30.0479, 78.1803 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 ✓ Pass

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

XYZ 33.1712, 30.0479, 78.1803

Background



This preview shows how black text looks on a background with the XYZ color 33.1712, 30.0479, 78.1803.



This preview shows how white text looks on a background with the XYZ color 33.1712, 30.0479,

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

33.1712, 30.0479, 78.1803

Protanopia

32.0388, 30.1092, 79.7243

Deuteranopia

30.9002, 30.0325, 77.5670



Tritanopia

25.8958, 30.1815, 41.5065

Trichromacy



Original Color

33.1712, 30.0479, 78.1803

Protanomaly

32.4344, 30.1015, 78.9636

Deuteranomaly

31.6186, 29.9411, 77.5115

Tritanomaly

28.1066, 29.8440, 52.9943

Monochromacy



Original Color

33.1712, 30.0479, 78.1803

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.6249, 29.8326, 46.3163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1712, 30.0479, 78.1803 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(130, 143, 229)` looks like.

```
.text, #text, p{  
    color:rgb(130, 143, 229)  
}
```

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(130, 143, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 143, 229) }
```

Border

The CSS property to change the border of an element to XYZ 33.1712, 30.0479, 78.1803 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(130, 143, 229) }
```


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

```
.border{ border-color:rgb(130, 143, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 143, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 143, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 143, 229);  
box-shadow:4px 4px 4px 4px rgb(130, 143,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1712, 30.0479, 78.1803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 143, 229) }
```

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

```
.background{ background-color: rgb(130,  
143, 229) }
```

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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