

Converting Colors

XYZ(33.5979, 31.1244, 53.7056)

Have a look what the booklet for
XYZ(33.5979, 31.1244, 53.7056)
contains.

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Color

**XYZ(33.4778, 30.9772,
53.5049)**

Conversions

Conversions Part 1

Format	Color
Hex	9E90BF
RGB	158, 144, 191
RGB Percent	62%, 56%, 75%
CMY	0.3804, 0.4353, 0.2510
CMYK	0.17, 0.25, 0.00, 0.25
HSL	258°, 27%, 66%
HSV	258°, 25%, 75%
XYZ	33.4778, 30.9772, 53.5049
YIQ	153.5440, -6.7430, 17.5850

Conversions

Conversions Part 2

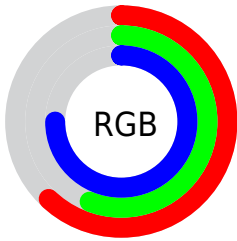
Format	Color
RYB	158, 144, 191
Decimal	10391743
CIELab	62.49, 14.80, -22.50
CIELCh	62, 26.930, 303.332
Yxy	30.9772, 0.2838, 0.2626
Android (android.graphics.Color)	4288581823 (0xFF9E90BF)
YUV	153.5440, 18.4658, 3.9079
Hunter-Lab	55.6572, 9.9678, -18.0372

Details

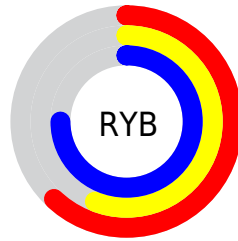
The XYZ color **33.4778, 30.9772, 53.5049** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.7972, 48.6230, 33.5691**, and the grayscale version is **30.4403, 32.0255, 34.8758**.

A 20% lighter version of the original color is **64.4232, 61.2497, 96.4226**, and **14.4619, 12.8757, 25.3899** is the 20% darker color. If you saturate the color by 10%, you get **28.3306, 24.3870, 52.5047**, and if you desaturate by 10%, it is **39.4043, 38.6971, 54.6831**.

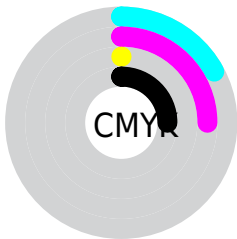
Distribution



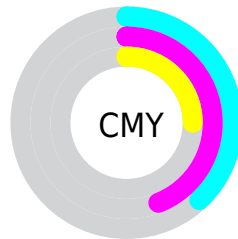
- Red (62%)
- Green (56%)
- Blue (75%)



- Red (62%)
- Yellow (56%)
- Blue (75%)



- Cyan (17%)
- Magenta (25%)
- Yellow (0%)
- Black (25%)



- Cyan (38%)
- Magenta (44%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4778, 30.9772, 53.5049 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 33.4778, 30.9772, 53.5049 by changing the saturation by 10% instead.

■ 33.4778, 30.9772,
53.5049

■ 33.4778, 30.9772,
53.5049

309.4243,
306.4333, 417.3403

■ 22.6537, 20.5815,
37.8155

■ 64.4705, 61.2042,
96.7960

■ 14.4573, 12.8184,
25.5388

■ 85.3698, 81.8042,
125.2347

■ 8.5232, 7.3036,
16.2563

110.3582,
106.5745, 158.7603

■ 4.4861, 3.6527,
9.5494

139.8010,
135.8994, 197.7914

■ 1.9807, 1.4813,
4.9995

174.0637,
170.1634, 242.7463

■ 0.6231, 0.2755,
2.1883

213.5116,

■ 0.0000, 0.0000,

209.7507, 294.0438

0.6676

258.5100,
255.0459, 352.1023

■ 0.0000, 0.0000,
0.0000

■ 33.4778, 30.9772,
53.5049

■ 33.4778, 30.9772,
53.5049

■ 28.3306, 24.3870,
52.5047

■ 39.4043, 38.6971,
54.6831

■ 23.9259, 18.8689,
51.6717

■ 46.1388, 47.5933,
56.0453

■ 20.2282, 14.3655,
50.9973

■ 53.7122, 57.7143,
57.5997

■ 17.1979, 10.8126,
50.4713

■ 62.1527, 69.1046,
59.3534

■ 14.7909, 8.1384,
50.0820

■ 71.4872, 81.8066,
61.3132

■ 12.9574, 6.2604,
49.8161

■ 80.5811, 93.5398,
63.0986

■ 11.6384, 5.0795,
49.6577

■ 85.2649, 95.9544,
63.3178

■ 11.0853, 4.6283,
49.5998

■ 86.4041, 96.5416,
63.3711

Harmonies

Analogous

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



29.8535, 30.9772, 58.0891



33.4778, 30.9772, 53.5049



36.1835, 30.9772, 43.5976

Triad

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



33.4778, 30.9772, 53.5049



32.7126, 30.9772, 18.7450



22.9668, 30.9772, 34.9129

Complementary

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



33.4778, 30.9772, 53.5049



41.7972, 48.6230, 33.5691

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.



23.5962, 30.9772, 25.4746



33.4778, 30.9772, 53.5049



29.0361, 30.9772, 17.3559

Square

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



33.4778, 30.9772, 53.5049



35.7166, 30.9772, 23.8301



25.7460, 30.9772, 19.5473



23.9505, 30.9772, 46.0475

Rectangle

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



33.4778, 30.9772, 53.5049



36.9930, 30.9772, 36.1215



25.7460, 30.9772, 19.5473



22.9971, 30.9772, 31.4444

Sweetspot

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



33.4788, 30.9785, 53.5056



79.4739, 81.0454, 99.7337



36.7640, 41.4067, 55.3453



17.2859, 17.5771, 21.8670



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.4788, 30.9785, 53.5056



54.3838, 48.3150, 94.7385



38.3912, 33.5109, 53.7355



9.2765, 9.3594, 11.9898



7.3567, 3.0786, 32.5994



0.3562, 0.1556, 1.2801

Inverse Universe

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



39.3958, 34.1984, 46.1206



67.0771, 55.2304, 78.5362



37.0272, 46.1640, 33.3459



9.8056, 9.6465, 11.3652



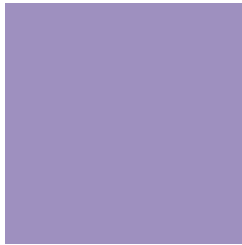
16.9899, 8.4271, 15.7723



0.6930, 0.3411, 0.7626

Previews

White Background



This preview shows how the XYZ color 33.4778, 30.9772, 53.5049 looks on a white background.

Color Contrast Check

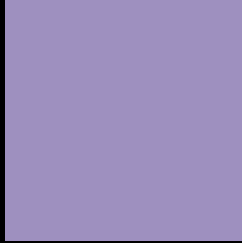
Large Text (above 18pt) WCAG AA × Fail

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 33.4778, 30.9772, 53.5049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

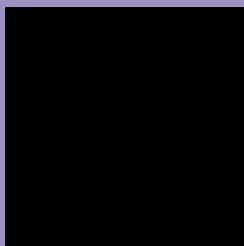
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4778, 30.9772, 53.5049

Background



This preview shows how black text looks on a background with the XYZ color 33.4778, 30.9772, 53.5049.



This preview shows how white text looks on a background with the XYZ color 33.4778, 30.9772,

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

33.4778, 30.9772, 53.5049

Protanopia

31.2452, 30.9240, 55.9519

Deuteranopia

31.7382, 31.0085, 53.0277



Tritanopia

30.3173, 30.8404, 38.0731

Trichromacy



Original Color

33.4778, 30.9772, 53.5049

Protanomaly

32.0254, 30.8735, 55.3102

Deuteranomaly

32.3057, 31.0692, 53.0095

Tritanomaly

31.3977, 30.8146, 43.3227

Monochromacy



Original Color

33.4778, 30.9772, 53.5049

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.3990, 31.5713, 40.9982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4778, 30.9772, 53.5049 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(158, 144, 191)` looks like.

```
.text, #text, p{  
    color:rgb(158, 144, 191)  
}
```

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(158, 144, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 144, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.4778, 30.9772, 53.5049 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(158, 144, 191) }
```


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

```
.border{ border-color:rgb(158, 144, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 144, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 144, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 144, 191);  
box-shadow:4px 4px 4px 4px rgb(158, 144,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4778, 30.9772, 53.5049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 144, 191) }
```

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

```
.background{ background-color: rgb(158,  
144, 191) }
```

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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