

Converting Colors

XYZ(33.3555, 32.2019, 46.5530)

Have a look what the booklet for
XYZ(33.3555, 32.2019, 46.5530)
contains.

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Color

**XYZ(33.2805, 32.1828,
46.5773)**

Conversions

Conversions Part 1

Format	Color
Hex	A095B2
RGB	160, 149, 178
RGB Percent	63%, 58%, 70%
CMY	0.3725, 0.4157, 0.3020
CMYK	0.10, 0.16, 0.00, 0.30
HSL	263°, 16%, 64%
HSV	263°, 16%, 70%
XYZ	33.2805, 32.1828, 46.5773
YIQ	155.5950, -2.7530, 11.3510

Conversions

Conversions Part 2

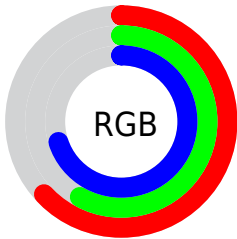
Format	Color
R_{YB}	160, 149, 178
Decimal	10524082
CIE _{Lab}	63.49, 9.77, -13.64
CIE _{LCh}	63, 16.776, 305.616
Yxy	32.1828, 0.2970, 0.2872
Android (android.graphics.Color)	4288714162 (0xFFA095B2)
YUV	155.5950, 11.0457, 3.8632
Hunter-Lab	56.7299, 5.4394, -8.9683

Details

The XYZ color **33.2805, 32.1828, 46.5773** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **37.2827, 42.2270, 34.6209**, and the grayscale version is **31.3737, 33.0076, 35.9452**.

A 20% lighter version of the original color is **64.2316, 63.0995, 86.6359**, and **14.2537, 13.4042, 21.2381** is the 20% darker color. If you saturate the color by 10%, you get **28.5654, 25.8868, 45.6111**, and if you desaturate by 10%, it is **38.6243, 39.4435, 47.6976**.

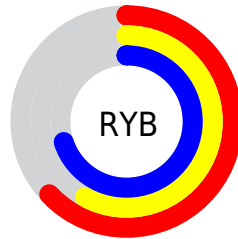
Distribution



Red (63%)

Green (58%)

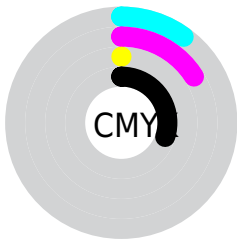
Blue (70%)



Red (63%)

Yellow (58%)

Blue (70%)

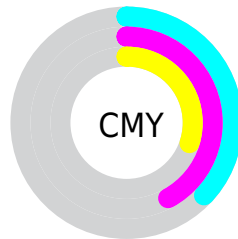


Cyan (10%)

Magenta (16%)

Yellow (0%)

Black (30%)



Cyan (37%)

Magenta (42%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2805, 32.1828, 46.5773 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 33.2805, 32.1828, 46.5773 by changing the saturation by 10% instead.

■ 33.2805, 32.1828,
46.5773

■ 33.2805, 32.1828,
46.5773

308.5545,
311.9511, 389.4696

■ 22.5017, 21.5012,
32.3497

■ 64.1650, 63.0976,
86.4257

■ 14.3446, 13.4908,
21.3617

■ 85.0013, 84.0995,
112.8835

■ 8.4441, 7.7674,
13.1948

109.9209,
109.3102, 144.2552

■ 4.4346, 3.9465,
7.4305

139.2890,
139.1143, 180.9592

■ 1.9508, 1.6437,
3.6503

173.4711,
173.8960, 223.4141

■ 0.6061, 0.3868,
1.4355

212.8325,

■ 0.0000, 0.0000,

214.0398, 272.0384

0.1692

257.7385,
259.9300, 327.2507

■ 0.0000, 0.0000,
0.0000

■ 33.2805, 32.1828,
46.5773

■ 33.2805, 32.1828,
46.5773

■ 28.5654, 25.8868,
45.6111

■ 38.6243, 39.4435,
47.6976

■ 24.4515, 20.5099,
44.7900

■ 44.6171, 47.7040,
48.9762

■ 20.9134, 16.0088,
44.1077

■ 51.2816, 57.0022,
50.4197

■ 17.9230, 12.3349,
43.5562

■ 58.6388, 67.3733,
52.0337

■ 15.4491, 9.4349,
43.1268

■ 66.7085, 78.8503,
53.8237

■ 13.4573, 7.2490,
42.8099

■ 75.2528, 90.9510,
55.7090

■ 11.9082, 5.7079,
42.5941

■ 78.8363, 92.7983,
55.8767

■ 10.7511, 4.7205,
42.4645

■ 82.6472, 94.7629,
56.0551

■ 10.3859, 4.4258,
42.4268

■ 85.0360, 95.9944,
56.1669

Harmonies

Analogous

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



31.0305, 32.1828, 49.4703



33.2805, 32.1828, 46.5773



34.8661, 32.1828, 40.6269

Triad

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



33.2805, 32.1828, 46.5773



32.4814, 32.1828, 24.5801



26.3318, 32.1828, 36.3159

Complementary

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



33.2805, 32.1828, 46.5773



37.2827, 42.2270, 34.6209

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.



26.6765, 32.1828, 29.9932



33.2805, 32.1828, 46.5773



30.1512, 32.1828, 23.7326

Square

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



33.2805, 32.1828, 46.5773



34.3885, 32.1828, 28.0698



28.0463, 32.1828, 25.5876



27.0798, 32.1828, 43.0816

Rectangle

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



33.2805, 32.1828, 46.5773



35.2908, 32.1828, 36.0345



28.0463, 32.1828, 25.5876



26.3242, 32.1828, 34.0671

Sweetspot

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



33.2815, 32.1842, 46.5780



71.2874, 73.2338, 86.7595



34.3174, 37.3770, 47.5257



15.6340, 16.0061, 19.1877



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.2815, 32.1842, 46.5780



56.7503, 53.5259, 83.7216



36.2696, 33.7246, 46.7179



8.3365, 8.3820, 10.6848



7.4963, 3.2003, 30.3596



0.3020, 0.1348, 0.9583

Inverse Universe

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



36.0837, 33.7513, 41.1736



62.9730, 57.0085, 71.6035



34.4580, 40.7709, 34.4887



8.7107, 8.5910, 9.9747



15.2011, 7.5980, 11.4851



0.5056, 0.2500, 0.5051

Previews

White Background



This preview shows how the XYZ color 33.2805, 32.1828, 46.5773 looks on a white background.

Color Contrast Check

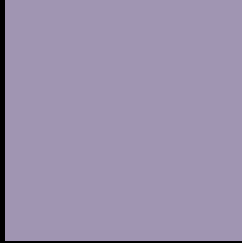
Large Text (above 18pt) WCAG AA × Fail

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 33.2805, 32.1828, 46.5773 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 33.2805, 32.1828, 46.5773

Background



This preview shows how black text looks on a background with the XYZ color 33.2805, 32.1828, 46.5773.



This preview shows how white text looks on a background with the XYZ color 33.2805, 32.1828,

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

33.2805, 32.1828, 46.5773

Protanopia

31.6792, 32.0477, 47.6962

Deuteranopia

32.8469, 32.1951, 46.6025



Tritanopia

31.9396, 32.3699, 39.2149

Trichromacy



Original Color

33.2805, 32.1828, 46.5773

Protanomaly

32.1522, 32.0633, 47.1421

Deuteranomaly

33.0428, 32.2961, 46.6117

Tritanomaly

32.4326, 32.3313, 41.5770

Monochromacy



Original Color

33.2805, 32.1828, 46.5773

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.9967, 32.6309, 39.7339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2805, 32.1828, 46.5773 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(160, 149, 178)` looks like.

```
.text, #text, p{  
    color:rgb(160, 149, 178)  
}
```

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(160, 149, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 149, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.2805, 32.1828, 46.5773 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(160, 149, 178) }
```


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

```
.border{ border-color:rgb(160, 149, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 149, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 149, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 149, 178);  
box-shadow:4px 4px 4px 4px rgb(160, 149,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2805, 32.1828, 46.5773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 149, 178) }
```

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

```
.background{ background-color: rgb(160,  
149, 178) }
```

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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