

Converting Colors

XYZ(33.8115, 32.2600, 55.4837)

Have a look what the booklet for
XYZ(33.8115, 32.2600, 55.4837)
contains.

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Color

**XYZ(33.8115, 32.2600,
55.4837)**

Conversions

Conversions Part 1

Format	Color
Hex	9A95C2
RGB	154, 149, 194
RGB Percent	60%, 58%, 76%
CMY	0.3961, 0.4157, 0.2392
CMYK	0.21, 0.23, 0.00, 0.24
HSL	247°, 27%, 67%
HSV	247°, 23%, 76%
XYZ	33.8115, 32.2600, 55.4837
YIQ	155.6250, -11.4650, 15.0550

Conversions

Conversions Part 2

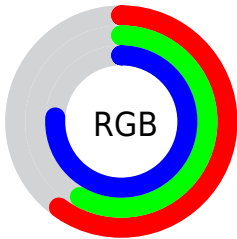
Format	Color
RYB	154, 149, 194
Decimal	10130882
CIELab	63.56, 11.36, -22.58
CIElCh	64, 25.276, 296.708
Yxy	32.2600, 0.2782, 0.2654
Android (android.graphics.Color)	4288320962 (0xFF9A95C2)
YUV	155.6250, 18.9189, -1.4251
Hunter-Lab	56.7979, 6.8639, -18.1596

Details

The XYZ color **33.8115, 32.2600, 55.4837** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.7039, 51.5731, 35.9810**, and the grayscale version is **31.3560, 32.9889, 35.9250**.

A 20% lighter version of the original color is **65.0630, 63.2322, 100.0426**, and **14.5808, 13.4536, 26.6393** is the 20% darker color. If you saturate the color by 10%, you get **27.9444, 25.0529, 54.4023**, and if you desaturate by 10%, it is **40.6634, 40.7353, 56.7590**.

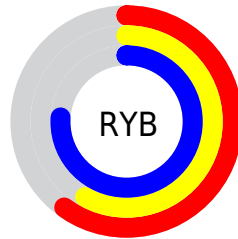
Distribution



Red (60%)

Green (58%)

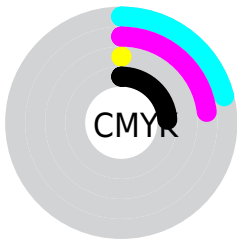
Blue (76%)



Red (60%)

Yellow (58%)

Blue (76%)

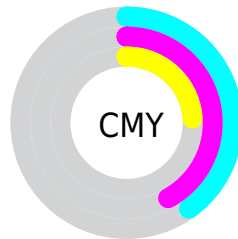


Cyan (21%)

Magenta (23%)

Yellow (0%)

Black (24%)



Cyan (40%)

Magenta (42%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8115, 32.2600, 55.4837 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 33.8115, 32.2600, 55.4837 by changing the saturation by 10% instead.

■ 33.8115, 32.2600,
55.4837

■ 33.8115, 32.2600,
55.4837

310.8914,
312.3019, 425.0764

■ 22.9110, 21.5602,
39.3879

■ 64.9867, 63.2185,
99.7275

■ 14.6482, 13.5341,
26.7515

■ 85.9921, 84.2459,
128.7127

■ 8.6575, 7.7973,
17.1559

111.0965,
109.4846, 162.8313

■ 4.5738, 3.9655,
10.1826

140.6653,
139.3191, 202.5020

■ 2.0316, 1.6543,
5.4130

175.0639,
174.1336, 248.1434

■ 0.6516, 0.3938,
2.4286

214.6575,

■ 0.0000, 0.0000,

214.3127, 300.1738

0.8020

259.8116,
260.2407, 359.0120

■ 0.0000, 0.0000,
0.0000

■ 33.8115, 32.2600,
55.4837

■ 33.8115, 32.2600,
55.4837

■ 27.9444, 25.0529,
54.4023

■ 40.6634, 40.7353,
56.7590

■ 23.0138, 19.0491,
53.5034

■ 48.5395, 50.5317,
58.2348

■ 18.9718, 14.1841,
52.7774

■ 57.4806, 61.7037,
59.9199

■ 15.7650, 10.3853,
52.2132

■ 67.5245, 74.3019,
61.8223

■ 13.3342, 7.5723,
51.7983

■ 78.7070, 88.3741,
63.9491

■ 11.6124, 5.6526,
51.5185

■ 86.7377, 96.6751,
65.1281

■ 10.5207, 4.5162,
51.3567

■ 10.0588, 4.0606,
51.2931

Harmonies

Analogous

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



30.2745, 32.2600, 58.2963



33.8115, 32.2600, 55.4837



36.6859, 32.2600, 46.8986

Triad

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



33.8115, 32.2600, 55.4837



34.5364, 32.2600, 21.2663



24.3791, 32.2600, 34.0223

Complementary

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



33.8115, 32.2600, 55.4837



45.7039, 51.5731, 35.9810

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.



25.3368, 32.2600, 25.5088



33.8115, 32.2600, 55.4837



31.0532, 32.2600, 19.0876

Square

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



33.8115, 32.2600, 55.4837



37.1265, 32.2600, 27.1013



27.7147, 32.2600, 20.4783



24.9955, 32.2600, 44.5955

Rectangle

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



33.8115, 32.2600, 55.4837



37.7453, 32.2600, 39.7819



27.7147, 32.2600, 20.4783



24.5257, 32.2600, 30.8477

Sweetspot

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



33.8125, 32.2613, 55.4844



82.1259, 84.3068, 104.4141



40.4384, 46.8962, 57.9600



17.7899, 18.2199, 22.8291



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.



33.8125, 32.2613, 55.4844



55.4612, 51.3140, 99.4513



38.3906, 34.6214, 55.6987



9.6299, 9.8004, 12.6689



6.6488, 2.6880, 33.7250



0.3227, 0.1344, 1.4588

Inverse Universe

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



42.1819, 36.6397, 52.9944



73.4078, 60.7069, 93.9131



40.6540, 48.9698, 35.7446



10.4475, 10.2276, 12.4473



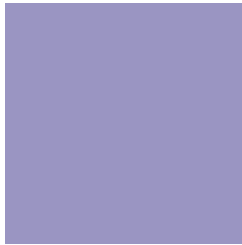
19.5706, 9.5180, 26.7144



0.8596, 0.4169, 1.2281

Previews

White Background



This preview shows how the XYZ color 33.8115, 32.2600, 55.4837 looks on a white background.

Color Contrast Check

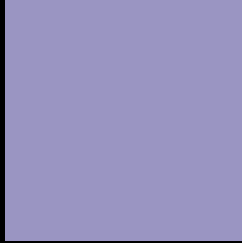
Large Text (above 18pt) WCAG AA × Fail

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 33.8115, 32.2600, 55.4837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

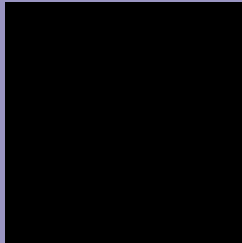
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8115, 32.2600, 55.4837

Background



This preview shows how black text looks on a background with the XYZ color 33.8115, 32.2600, 55.4837.



This preview shows how white text looks on a background with the XYZ color 33.8115, 32.2600,

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

33.8115, 32.2600, 55.4837

Protanopia

32.5197, 32.2816, 56.7416

Deuteranopia

33.0170, 32.3242, 55.5379



Tritanopia

30.8330, 32.2539, 40.6770

Trichromacy



Original Color

33.8115, 32.2600, 55.4837

Protanomaly

32.9496, 32.2764, 56.1231

Deuteranomaly

33.2216, 32.1918, 55.5016

Tritanomaly

31.8272, 32.1704, 45.6063

Monochromacy



Original Color

33.8115, 32.2600, 55.4837

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.1645, 32.6533, 42.6377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8115, 32.2600, 55.4837 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(154, 149, 194)` looks like.

```
.text, #text, p{  
    color:rgb(154, 149, 194)  
}
```

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(154, 149, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 149, 194) }
```

Border

The CSS property to change the border of an element to XYZ 33.8115, 32.2600, 55.4837 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(154, 149, 194) }
```


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

```
.border{ border-color:rgb(154, 149, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 149, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 149, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 149, 194);  
box-shadow:4px 4px 4px 4px rgb(154, 149,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8115, 32.2600, 55.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 149, 194) }
```

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

```
.background{ background-color: rgb(154,  
149, 194) }
```

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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