

Converting Colors

XYZ(31.4651, 29.6288, 49.5945)

Have a look what the booklet for
XYZ(31.4651, 29.6288, 49.5945)
contains.

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Color

**XYZ(31.4616, 29.5790,
49.3985)**

Conversions

Conversions Part 1

Format	Color
Hex	998EB8
RGB	153, 142, 184
RGB Percent	60%, 56%, 72%
CMY	0.4000, 0.4431, 0.2784
CMYK	0.17, 0.23, 0.00, 0.28
HSL	256°, 23%, 64%
HSV	256°, 23%, 72%
XYZ	31.4616, 29.5790, 49.3985
YIQ	150.0770, -6.9260, 15.3940

Conversions

Conversions Part 2

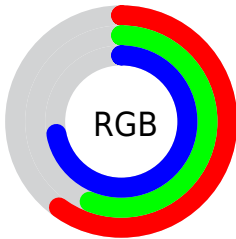
Format	Color
RYB	153, 142, 184
Decimal	10063544
CIELab	61.29, 12.73, -20.42
CIELCh	61, 24.065, 301.938
Yxy	29.5790, 0.2849, 0.2678
Android (android.graphics.Color)	4288253624 (0xFF998EB8)
YUV	150.0770, 16.7240, 2.5635
Hunter-Lab	54.3866, 8.0823, -15.7816

Details

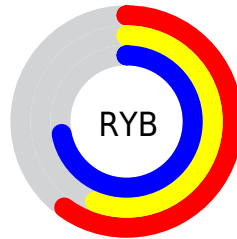
The XYZ color **31.4616, 29.5790, 49.3985** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **39.2575, 45.1189, 32.2322**, and the grayscale version is **28.9562, 30.4642, 33.1755**.

A 20% lighter version of the original color is **61.4805, 59.1810, 90.6208**, and **13.2907, 12.0597, 23.1000** is the 20% darker color. If you saturate the color by 10%, you get **26.5277, 23.3020, 48.4474**, and if you desaturate by 10%, it is **37.1411, 36.9126, 50.5152**.

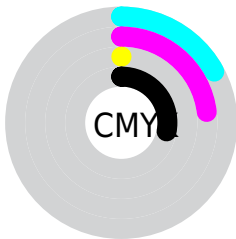
Distribution



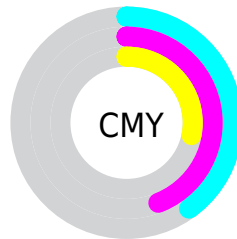
- Red (60%)
- Green (56%)
- Blue (72%)



- Red (60%)
- Yellow (56%)
- Blue (72%)



- Cyan (17%)
- Magenta (23%)
- Yellow (0%)
- Black (28%)



- Cyan (40%)
- Magenta (44%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4616, 29.5790, 49.3985 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 31.4616, 29.5790, 49.3985 by changing the saturation by 10% instead.

■ 31.4616, 29.5790,
49.3985

■ 31.4616, 29.5790,
49.3985

300.4484,
299.9371, 400.9765

■ 21.1041, 19.5193,
34.5679

■ 61.3370, 58.9958,
90.6701

■ 13.3130, 12.0461,
23.0493

■ 81.5857, 79.1216,
117.9482

■ 7.7229, 6.7751,
14.4243

■ 105.8621,
103.3715, 150.2125

■ 3.9685, 3.3218,
8.2742

134.5317,
132.1300, 187.8816

■ 1.6843, 1.3020,
4.1806

167.9597,
165.7814, 231.3740

■ 0.4464, 0.1427,
1.7250

206.5116,

■ 0.0000, 0.0000,

204.7101, 281.1083

0.3778

250.5527,
249.3006, 337.5029

■ 0.0000, 0.0000,
0.0000

■ 31.4616, 29.5790,
49.3985

■ 31.4616, 29.5790,
49.3985

■ 26.5277, 23.3020,
48.4474

■ 37.1411, 36.9126,
50.5152

■ 22.3046, 18.0287,
47.6522

■ 43.5933, 45.3453,
51.8028

■ 18.7590, 13.7070,
47.0049

■ 50.8473, 54.9215,
53.2688

■ 15.8537, 10.2783,
46.4962

■ 58.9300, 65.6822,
54.9199

■ 13.5475, 7.6779,
46.1158

■ 67.8667, 77.6664,
56.7620

■ 11.7941, 5.8316,
45.8519

■ 77.6820, 90.9110,
58.8012

■ 10.5393, 4.6513,
45.6902

■ 83.1486, 94.9503,
59.2927

■ 9.8796, 4.0937,
45.6173

■ 85.6518, 96.2407,
59.4099

Harmonies

Analogous

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



28.3205, 29.5790, 52.9815



31.4616, 29.5790, 49.3985



33.8401, 29.5790, 41.1316

Triad

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



31.4616, 29.5790, 49.3985



31.0785, 29.5790, 19.1327



22.4540, 29.5790, 32.8002

Complementary

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



31.4616, 29.5790, 49.3985



39.2575, 45.1189, 32.2322

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.



23.0732, 29.5790, 24.6760



31.4616, 29.5790, 49.3985



27.9084, 29.5790, 17.7262

Square

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



31.4616, 29.5790, 49.3985



33.6075, 29.5790, 23.8300



25.0126, 29.5790, 19.5528



23.2543, 29.5790, 42.3466

Rectangle

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



31.4616, 29.5790, 49.3985



34.5879, 29.5790, 34.7160



25.0126, 29.5790, 19.5528



22.5029, 29.5790, 29.8210

Sweetspot

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



31.4625, 29.5802, 49.3992



73.8283, 75.3888, 92.8649



34.8476, 39.2916, 51.0952



15.7662, 16.0566, 19.9899



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.4625, 29.5802, 49.3992



52.7304, 48.1233, 88.7141



35.6700, 31.7492, 49.5961



8.7358, 8.8302, 11.3234



6.8667, 2.8511, 31.4415



0.3022, 0.1315, 1.1112

Inverse Universe

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



36.9839, 32.5547, 43.8708



64.4454, 54.4396, 76.7475



35.0666, 42.9584, 32.0361



9.2778, 9.1215, 10.8102



16.7072, 8.2566, 16.8767



0.6129, 0.3006, 0.7209

Previews

White Background



This preview shows how the XYZ color 31.4616, 29.5790, 49.3985 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 31.4616, 29.5790, 49.3985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

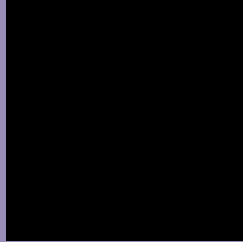
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4616, 29.5790, 49.3985

Background



This preview shows how black text looks on a background with the XYZ color 31.4616, 29.5790, 49.3985.



This preview shows how white text looks on a background with the XYZ color 31.4616, 29.5790,

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

31.4616, 29.5790, 49.3985

Protanopia

29.7298, 29.5489, 51.1503

Deuteranopia

30.1742, 29.5990, 48.9226



Tritanopia

28.9997, 29.7256, 36.5569

Trichromacy



Original Color

31.4616, 29.5790, 49.3985

Protanomaly

30.3160, 29.6356, 50.5768

Deuteranomaly

30.5531, 29.5685, 48.8967

Tritanomaly

29.6781, 29.5248, 40.6939

Monochromacy



Original Color

31.4616, 29.5790, 49.3985

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.7178, 30.0554, 38.4174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4616, 29.5790, 49.3985 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(153, 142, 184)` looks like.

```
.text, #text, p{  
    color:rgb(153, 142, 184)  
}
```

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(153, 142, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 142, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.4616, 29.5790, 49.3985 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(153, 142, 184) }
```


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

```
.border{ border-color:rgb(153, 142, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 142, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 142, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 142, 184);  
box-shadow:4px 4px 4px 4px rgb(153, 142,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4616, 29.5790, 49.3985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 142, 184) }
```

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

```
.background{ background-color: rgb(153,  
142, 184) }
```

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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