

Converting Colors

XYZ(34.9795, 30.1166, 61.8579)

Have a look what the booklet for
XYZ(34.9795, 30.1166, 61.8579)
contains.

XYZ(34.8654, 29.9805, 61.7068)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.8654, 29.9805,
61.7068)**

Conversions

Conversions Part 1

Format	Color
Hex	A289CD
RGB	162, 137, 205
RGB Percent	64%, 54%, 80%
CMY	0.3647, 0.4627, 0.1961
CMYK	0.21, 0.33, 0.00, 0.20
HSL	262°, 40%, 67%
HSV	262°, 33%, 80%
XYZ	34.8654, 29.9805, 61.7068
YIQ	152.2270, -6.9280, 26.4480

Conversions

Conversions Part 2

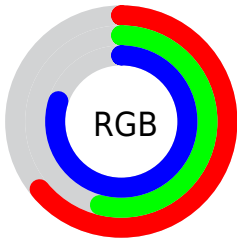
Format	Color
RYB	162, 137, 205
Decimal	10652109
CIELab	61.64, 23.28, -31.65
CIELCh	62, 39.290, 306.333
Yxy	29.9805, 0.2755, 0.2369
Android (android.graphics.Color)	4288842189 (0xFFA289CD)
YUV	152.2270, 26.0171, 8.5709
Hunter-Lab	54.7545, 17.8412, -28.4901

Details

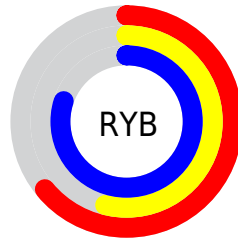
The XYZ color **34.8654, 29.9805, 61.7068** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.1699, 55.1728, 31.9369**, and the grayscale version is **29.8372, 31.3910, 34.1848**.

A 20% lighter version of the original color is **65.5942, 59.3870, 102.6134**, and **15.2199, 12.2696, 30.4203** is the 20% darker color. If you saturate the color by 10%, you get **29.7246, 23.4082, 60.7097**, and if you desaturate by 10%, it is **40.8333, 37.8024, 62.9025**.

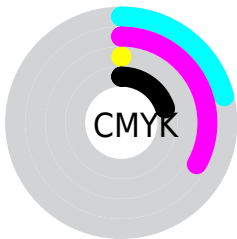
Distribution



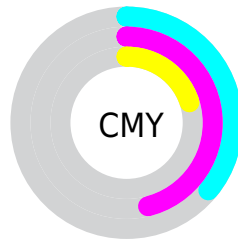
- Red (64%)
- Green (54%)
- Blue (80%)



- Red (64%)
- Yellow (54%)
- Blue (80%)



- Cyan (21%)
- Magenta (33%)
- Yellow (0%)
- Black (20%)



- Cyan (36%)
- Magenta (46%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8654, 29.9805, 61.7068 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 34.8654, 29.9805, 61.7068 by changing the saturation by 10% instead.

■ 34.8654, 29.9805,
61.7068

■ 34.8654, 29.9805,
61.7068

315.4923,
301.8135, 448.8389

■ 23.7252, 19.8238,
44.3616

■ 66.6126, 59.6313,
108.8691

■ 15.2536, 12.2670,
30.6156

■ 87.9503, 79.8943,
139.5233

■ 9.0850, 6.9258,
20.0503

■ 113.4180,
104.2947, 175.4509

■ 4.8542, 3.4157,
12.2472

143.3809,
133.2171, 217.0705

■ 2.1959, 1.3524,
6.7877

178.2044,
167.0457, 264.8005

■ 0.7406, 0.1813,
3.2532

218.2539,

■ 0.0000, 0.0000,

206.1651, 319.0596

1.2253

263.8947,
250.9596, 380.2662

■ 0.0000, 0.0000,
0.0000

■ 34.8654, 29.9805,
61.7068

■ 34.8654, 29.9805,
61.7068

■ 29.7246, 23.4082,
60.7097

■ 40.8333, 37.8024,
62.9025

■ 25.3683, 18.0147,
59.8982

■ 47.6622, 46.9323,
64.3049

■ 21.7543, 13.7277,
59.2612

■ 55.3874, 57.4292,
65.9238

■ 18.8348, 10.4650,
58.7853

■ 64.0414, 69.3472,
67.7681

■ 16.5556, 8.1324,
58.4552

■ 73.6552, 82.7377,
69.8460

■ 14.8527, 6.6171,
58.2525

■ 82.6408, 94.4150,
71.6264

■ 13.9500, 5.9185,
58.1652

■ 87.1950, 96.7627,
71.8395

■ 88.0195, 97.1878,
71.8781

Harmonies

Analogous

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



29.6171, 29.9805, 70.3577



34.8654, 29.9805, 61.7068



38.7121, 29.9805, 45.5951

Triad

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



34.8654, 29.9805, 61.7068



32.7174, 29.9805, 12.7600



19.6388, 29.9805, 35.9183

Complementary

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



34.8654, 29.9805, 61.7068



45.1699, 55.1728, 31.9369

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.



20.2560, 29.9805, 22.4112



34.8654, 29.9805, 61.7068



27.4027, 29.9805, 11.5985

Square

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



34.8654, 29.9805, 61.7068



37.3699, 29.9805, 18.4031



22.9530, 29.9805, 14.5313



21.1507, 29.9805, 52.8076

Rectangle

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



34.8654, 29.9805, 61.7068



39.7312, 29.9805, 34.5167



22.9530, 29.9805, 14.5313



19.6071, 29.9805, 30.8396

Sweetspot

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



34.8664, 29.9817, 61.7075



81.7623, 81.8647, 106.0999



37.6717, 42.3966, 63.9559



17.1272, 17.0172, 22.6319



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.



34.8664, 29.9817, 61.7075



50.8015, 41.0141, 99.8467



42.7136, 34.0271, 62.0747



10.9848, 11.0414, 14.1226



8.7806, 3.7341, 36.2142



0.5360, 0.2354, 1.8721

Inverse Universe

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



42.3616, 34.1669, 47.5432



65.2208, 49.0783, 72.0229



38.2136, 51.5866, 31.6113



11.5058, 11.3310, 13.1980



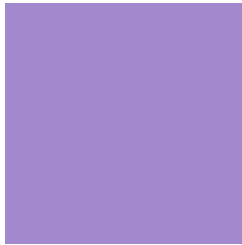
18.2137, 9.0961, 14.1100



0.9754, 0.4836, 0.9163

Previews

White Background



This preview shows how the XYZ color 34.8654, 29.9805, 61.7068 looks on a white background.

Color Contrast Check

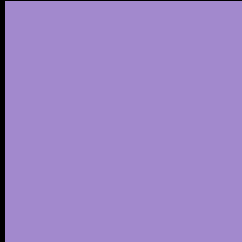
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8654, 29.9805, 61.7068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

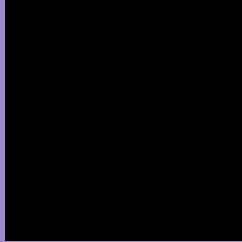
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8654, 29.9805, 61.7068

Background



This preview shows how black text looks on a background with the XYZ color 34.8654, 29.9805, 61.7068.



This preview shows how white text looks on a background with the XYZ color 34.8654, 29.9805,

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

34.8654, 29.9805, 61.7068

Protanopia

31.3460, 30.2607, 67.1396

Deuteranopia

30.8861, 30.1658, 60.6946



Tritanopia

29.7769, 29.8964, 36.5489

Trichromacy



Original Color

34.8654, 29.9805, 61.7068

Protanomaly

32.2705, 29.8735, 65.0381

Deuteranomaly

32.2231, 29.9338, 61.2062

Tritanomaly

31.4650, 29.9082, 44.6719

Monochromacy



Original Color

34.8654, 29.9805, 61.7068

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.4947, 30.8756, 42.8277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8654, 29.9805, 61.7068 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(162, 137, 205)` looks like.

```
.text, #text, p{  
    color:rgb(162, 137, 205)  
}
```

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(162, 137, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 137, 205) }
```

Border

The CSS property to change the border of an element to XYZ 34.8654, 29.9805, 61.7068 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(162, 137, 205) }
```


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

```
.border{ border-color:rgb(162, 137, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 137, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 137, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 137, 205);  
box-shadow:4px 4px 4px 4px rgb(162, 137,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8654, 29.9805, 61.7068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 137, 205) }
```

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

```
.background{ background-color: rgb(162,  
137, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor