

Converting Colors

XYZ(31.9794, 27.2493, 45.1024)

Have a look what the booklet for
XYZ(31.9794, 27.2493, 45.1024)
contains.

XYZ(31.9345, 27.1997, 45.1619)	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(31.9345, 27.1997,
45.1619)**

Conversions

Conversions Part 1

Format	Color
Hex	A881B1
RGB	168, 129, 177
RGB Percent	66%, 51%, 69%
CMY	0.3412, 0.4941, 0.3059
CMYK	0.05, 0.27, 0.00, 0.31
HSL	289°, 24%, 60%
HSV	289°, 27%, 69%
XYZ	31.9345, 27.1997, 45.1619
YIQ	146.1330, 7.8360, 23.1960

Conversions

Conversions Part 2

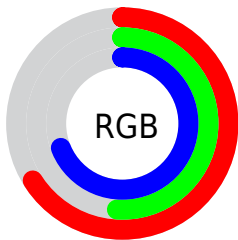
Format	Color
R _Y B	168, 129, 177
Decimal	11043249
CIE Lab	59.16, 23.64, -19.57
CIE LCh	59, 30.688, 320.379
Yxy	27.1997, 0.3062, 0.2608
Android (android.graphics.Color)	4289233329 (0xFFA881B1)
YUV	146.1330, 15.2174, 19.1774
Hunter-Lab	52.1533, 18.0307, -14.8345

Details

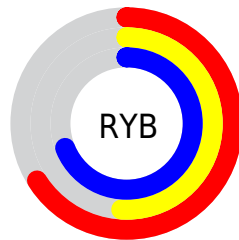
The XYZ color **31.9345, 27.1997, 45.1619** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.1668, 38.4332, 26.5987**, and the grayscale version is **27.3142, 28.7367, 31.2942**.

A 20% lighter version of the original color is **62.1764, 55.1864, 84.4658**, and **13.5043, 10.6920, 20.4208** is the 20% darker color. If you saturate the color by 10%, you get **29.1046, 22.5750, 44.4188**, and if you desaturate by 10%, it is **35.1880, 32.6438, 46.0416**.

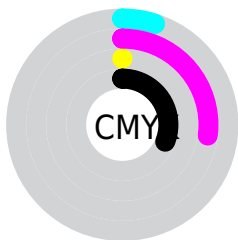
Distribution



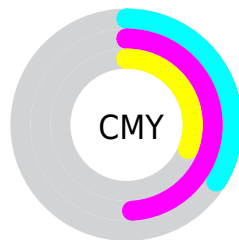
- Red (66%)
- Green (51%)
- Blue (69%)



- Red (66%)
- Yellow (51%)
- Blue (69%)



- Cyan (5%)
- Magenta (27%)
- Yellow (0%)
- Black (31%)



- Cyan (34%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9345, 27.1997, 45.1619 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 31.9345, 27.1997, 45.1619 by changing the saturation by 10% instead.

■ 31.9345, 27.1997,
45.1619

■ 31.9345, 27.1997,
45.1619

302.5714,
288.6227, 383.6081

■ 21.4668, 17.7233,
31.2411

■ 62.0743, 55.2042,
84.2843

■ 13.5800, 10.7515,
20.5225

■ 82.4770, 74.5010,
110.3230

■ 7.9089, 5.9000,
12.5876

■ 106.9222, 97.8400,
141.2381

■ 4.0880, 2.7844,
7.0178

135.7751,
125.6057, 177.4481

■ 1.7521, 1.0202,
3.3946

169.4011,
158.1824, 219.3716

■ 0.4885, 0.0000,
1.2995

208.1656,

■ 0.0000, 0.0000,

195.9546, 267.4270

0.0614

252.4339,
239.3065, 322.0330

■ 0.0000, 0.0000,
0.0000

■ 31.9345, 27.1997,
45.1619

■ 31.9345, 27.1997,
45.1619

■ 29.1046, 22.5750,
44.4188

■ 35.1880, 32.6438,
46.0416

■ 26.6747, 18.7244,
43.8036

■ 38.8820, 38.9424,
47.0627

■ 24.6230, 15.6036,
43.3094

■ 43.0356, 46.1329,
48.2317

■ 22.9242, 13.1625,
42.9277

■ 47.6658, 54.2495,
49.5543

■ 21.5499, 11.3444,
42.6493

■ 52.7890, 63.3245,
51.0359

■ 20.4671, 10.0835,
42.4629

■ 58.4207, 73.3886,
52.6817

■ 19.6277, 9.2839,
42.3529

■ 64.5755, 84.4712,
54.4965

■ 19.4047, 9.0868,
42.3265

■ 66.0860, 86.2369,
54.7577

■ 66.9505, 86.6826,
54.7981

Harmonies

Analogous

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



28.4962, 27.1997, 54.0420



31.9345, 27.1997, 45.1619



33.7935, 27.1997, 33.2734

Triad

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



31.9345, 27.1997, 45.1619



27.0999, 27.1997, 13.3378



19.5590, 27.1997, 37.5636

Complementary

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



31.9345, 27.1997, 45.1619



30.1668, 38.4332, 26.5987

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.



19.2645, 27.1997, 26.2367



31.9345, 27.1997, 45.1619



23.3776, 27.1997, 13.9468

Square

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



31.9345, 27.1997, 45.1619



30.8263, 27.1997, 16.1854



20.5963, 27.1997, 18.1225



21.4447, 27.1997, 48.9591

Rectangle

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



31.9345, 27.1997, 45.1619



33.7733, 27.1997, 25.9847



20.5963, 27.1997, 18.1225



19.2784, 27.1997, 33.5705

Sweetspot

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



31.9354, 27.2009, 45.1625



68.9239, 68.5213, 84.0885



26.1650, 26.1924, 45.2720



14.7163, 14.4715, 18.1620



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.9354, 27.2009, 45.1625



53.8420, 43.2113, 79.9981



32.5576, 27.6788, 38.0901



8.6907, 8.5646, 10.7014



14.1071, 6.6083, 30.6690



0.4842, 0.2287, 0.9669

Inverse Universe

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



30.5701, 26.8838, 27.6240



51.0544, 42.6000, 42.5608



29.7647, 38.1074, 31.9337



8.5593, 8.5304, 9.1778



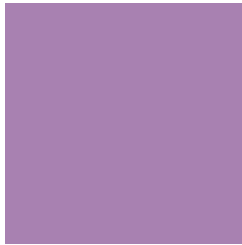
13.3548, 6.8595, 1.7624



0.4395, 0.2236, 0.1573

Previews

White Background



This preview shows how the XYZ color 31.9345, 27.1997, 45.1619 looks on a white background.

Color Contrast Check

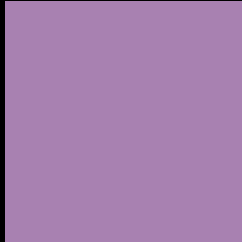
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9345, 27.1997, 45.1619 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 31.9345, 27.1997, 45.1619

Background



This preview shows how black text looks on a background with the XYZ color 31.9345, 27.1997, 45.1619.



This preview shows how white text looks on a background with the XYZ color 31.9345, 27.1997,

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

31.9345, 27.1997, 45.1619

Protanopia

27.7479, 27.4202, 50.2845

Deuteranopia

27.9312, 27.4268, 44.3792



Tritanopia

28.8791, 27.1588, 30.5081

Trichromacy



Original Color

31.9345, 27.1997, 45.1619

Protanomaly

28.9945, 27.2395, 48.5293

Deuteranomaly

29.2183, 27.2269, 44.7896

Tritanomaly

29.9904, 27.2087, 35.5694

Monochromacy



Original Color

31.9345, 27.1997, 45.1619

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.7903, 28.0605, 35.7971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9345, 27.1997, 45.1619 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(168, 129, 177)` looks like.

```
.text, #text, p{  
    color:rgb(168, 129, 177)  
}
```

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(168, 129, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 129, 177) }
```

Border

The CSS property to change the border of an element to XYZ 31.9345, 27.1997, 45.1619 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(168, 129, 177) }
```


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

```
.border{ border-color:rgb(168, 129, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 129, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 129, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 129, 177);  
box-shadow:4px 4px 4px 4px rgb(168, 129,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9345, 27.1997, 45.1619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 129, 177) }
```

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

```
.background{ background-color: rgb(168,  
129, 177) }
```

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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