

Converting Colors

XYZ(31.1932, 29.7350, 36.6580)

Have a look what the booklet for
XYZ(31.1932, 29.7350, 36.6580)
contains.

XYZ(31.1544, 29.7071, 36.4398)	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(31.1544, 29.7071,
36.4398)**

Conversions

Conversions Part 1

Format	Color
Hex	A48E9E
RGB	164, 142, 158
RGB Percent	64%, 56%, 62%
CMY	0.3569, 0.4431, 0.3804
CMYK	0.00, 0.13, 0.04, 0.36
HSL	316°, 11%, 60%
HSV	316°, 13%, 64%
XYZ	31.1544, 29.7071, 36.4398
YIQ	150.4020, 7.9760, 9.6400

Conversions

Conversions Part 2

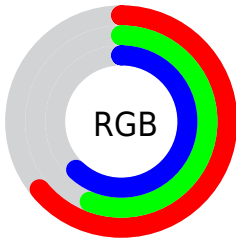
Format	Color
RYB	164, 142, 158
Decimal	10784414
CIELab	61.40, 11.12, -5.41
CIELCh	61, 12.366, 334.067
Yxy	29.7071, 0.3202, 0.3053
Android (android.graphics.Color)	4288974494 (0xFFA48E9E)
YUV	150.4020, 3.7458, 11.9254
Hunter-Lab	54.5042, 6.6475, -1.4865

Details

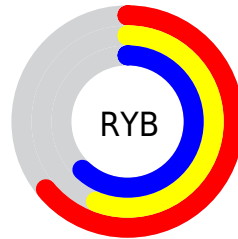
The XYZ color **31.1544, 29.7071, 36.4398** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.7772, 34.4407, 33.0968**, and the grayscale version is **29.1431, 30.6608, 33.3896**.

A 20% lighter version of the original color is **60.9636, 59.3440, 71.1922**, and **13.1631, 12.1606, 15.5634** is the 20% darker color. If you saturate the color by 10%, you get **28.5138, 25.0305, 33.6945**, and if you desaturate by 10%, it is **34.1698, 35.1099, 39.3799**.

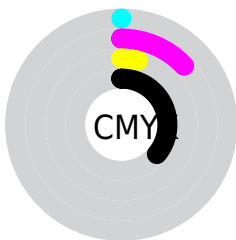
Distribution



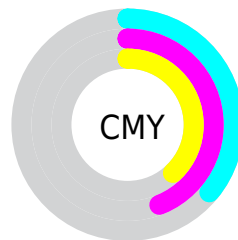
- Red (64%)
- Green (56%)
- Blue (62%)



- Red (64%)
- Yellow (56%)
- Blue (62%)



- Cyan (0%)
- Magenta (13%)
- Yellow (4%)
- Black (36%)



- Cyan (36%)
- Magenta (44%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1544, 29.7071, 36.4398 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 31.1544, 29.7071, 36.4398 by changing the saturation by 10% instead.

■ 31.1544, 29.7071,
36.4398

■ 31.1544, 29.7071,
36.4398

299.0632,
300.5368, 345.9741

■ 20.8689, 19.6164,
24.4817

■ 60.8573, 59.1987,
70.8870

■ 13.1401, 12.1165,
15.4758

■ 81.0053, 79.3683,
94.2132

■ 7.6027, 6.8231,
9.0037

■ 105.1715,
103.6663, 122.1658

■ 3.8915, 3.3517,
4.6467

133.7213,
132.4772, 155.1634

■ 1.6409, 1.3180,
1.9864

167.0200,
166.1853, 193.6244

■ 0.4189, 0.1551,
0.5469

205.4330,

■ 0.0000, 0.0000,

205.1750, 237.9676

0.0000

249.3256,
249.8307, 288.6113

■ 31.1544, 29.7071,
36.4398

■ 31.1544, 29.7071,
36.4398

■ 28.5138, 25.0305,
33.6945

■ 34.1698, 35.1099,
39.3799

■ 26.2296, 21.0450,
31.1361

■ 37.5721, 41.2644,
42.5184

■ 24.2858, 17.7183,
28.7589

■ 41.3763, 48.1997,
45.8615

■ 22.6639, 15.0139,
26.5560

■ 45.5956, 55.9420,
49.4143

■ 21.3441, 12.8919,
24.5199

■ 50.2426, 64.5165,
53.1816

■ 20.3037, 11.3076,
22.6424

■ 55.3295, 73.9472,
57.1681

■ 19.5171, 10.2100,
20.9141

■ 60.2896, 83.1004,
61.1857

■ 18.9536, 9.5379,
19.3240

■ 60.7839, 83.2981,
63.7886

■ 18.6559, 9.2310,
18.3356

■ 61.2933, 83.5019,
66.4712

Harmonies

Analogous

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



30.0312, 29.7071, 40.3810



31.1544, 29.7071, 36.4398



31.4847, 29.7071, 31.7125

Triad

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



31.1544, 29.7071, 36.4398



28.0136, 29.7071, 24.1803



25.7139, 29.7071, 37.6488

Complementary

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



31.1544, 29.7071, 36.4398



29.7772, 34.4407, 33.0968

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.



25.2183, 29.7071, 32.9879



31.1544, 29.7071, 36.4398



26.5132, 29.7071, 25.4544

Square

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



31.1544, 29.7071, 36.4398



29.6311, 29.7071, 24.9147



25.5052, 29.7071, 28.5709



26.8848, 29.7071, 41.1249

Rectangle

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



31.1544, 29.7071, 36.4398



31.2006, 29.7071, 28.8159



25.5052, 29.7071, 28.5709



25.4649, 29.7071, 36.1532

Sweetspot

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



31.1553, 29.7084, 36.4404



61.6392, 63.0384, 71.1157



28.5637, 28.3112, 39.0816



13.3846, 13.6178, 15.4606



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.1553, 29.7084, 36.4404



55.0983, 51.3403, 64.6696



30.2608, 29.3506, 31.7303



7.2815, 7.1690, 8.4687



14.3250, 7.0860, 14.1678



0.3192, 0.1562, 0.3935

Inverse Universe

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



31.1553, 29.7084, 36.4404



55.0983, 51.3403, 64.6696



30.6782, 34.8011, 37.8414



7.2815, 7.1690, 8.4687



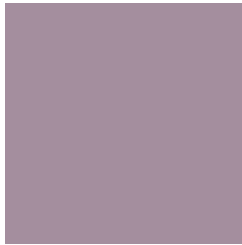
14.3250, 7.0860, 14.1678



0.3192, 0.1562, 0.3935

Previews

White Background



This preview shows how the XYZ color 31.1544, 29.7071, 36.4398 looks on a white background.

Color Contrast Check

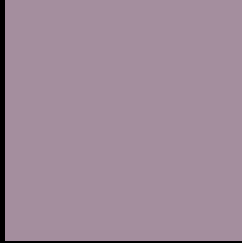
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1544, 29.7071, 36.4398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

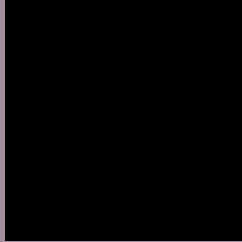
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.1544, 29.7071, 36.4398

Background



This preview shows how black text looks on a background with the XYZ color 31.1544, 29.7071, 36.4398.



This preview shows how white text looks on a background with the XYZ color 31.1544, 29.7071,

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

31.1544, 29.7071, 36.4398

Protanopia

28.8994, 29.6437, 37.9169

Deuteranopia

30.4429, 29.7861, 36.4925



Tritanopia

30.7595, 29.7645, 34.6958

Trichromacy



Original Color

31.1544, 29.7071, 36.4398

Protanomaly

29.6074, 29.5612, 37.4031

Deuteranomaly

30.6920, 29.6906, 36.4610

Tritanomaly

30.8431, 29.7980, 35.1363

Monochromacy



Original Color

31.1544, 29.7071, 36.4398

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.7011, 30.1359, 34.3884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1544, 29.7071, 36.4398 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(164, 142, 158)` looks like.

```
.text, #text, p{  
    color:rgb(164, 142, 158)  
}
```

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(164, 142, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 142, 158) }
```

Border

The CSS property to change the border of an element to XYZ 31.1544, 29.7071, 36.4398 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(164, 142, 158) }
```


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

```
.border{ border-color:rgb(164, 142, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 142, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 142, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 142, 158);  
box-shadow:4px 4px 4px 4px rgb(164, 142,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1544, 29.7071, 36.4398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 142, 158) }
```

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

```
.background{ background-color: rgb(164,  
142, 158) }
```

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