

Converting Colors

XYZ(29.3615, 30.9887, 39.7290)

Have a look what the booklet for
XYZ(29.3615, 30.9887, 39.7290)
contains.

XYZ(29.4307, 31.0661, 39.5672)	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(29.4307, 31.0661,
39.5672)**

Conversions

Conversions Part 1

Format	Color
Hex	9098A4
RGB	144, 152, 164
RGB Percent	56%, 60%, 64%
CMY	0.4353, 0.4039, 0.3569
CMYK	0.12, 0.07, 0.00, 0.36
HSL	216°, 10%, 60%
HSV	216°, 12%, 64%
XYZ	29.4307, 31.0661, 39.5672
YIQ	150.9760, -8.6200, 2.0360

Conversions

Conversions Part 2

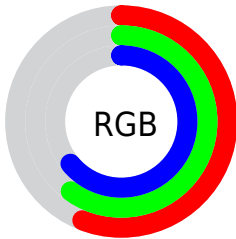
Format	Color
RYB	144, 150, 164
Decimal	9476260
CIELab	62.56, -0.37, -7.27
CIELCh	63, 7.276, 267.085
Yxy	31.0661, 0.2941, 0.3105
Android (android.graphics.Color)	4287666340 (0xFF9098A4)
YUV	150.9760, 6.4208, -6.1180
Hunter-Lab	55.7370, -3.2866, -3.0736

Details

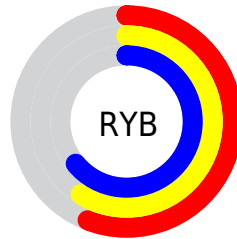
The XYZ color **29.4307, 31.0661, 39.5672** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.2326, 33.6830, 31.1888**, and the grayscale version is **29.3819, 30.9121, 33.6633**.

A 20% lighter version of the original color is **58.1462, 61.2629, 75.7781**, and **12.1944, 12.8569, 17.1681** is the 20% darker color. If you saturate the color by 10%, you get **25.2408, 26.6339, 38.9330**, and if you desaturate by 10%, it is **34.1711, 35.9804, 40.2664**.

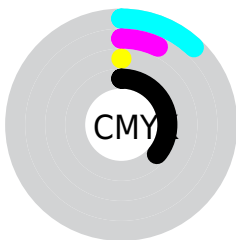
Distribution



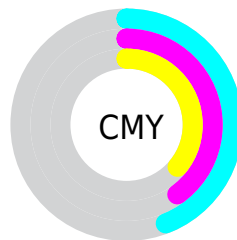
- Red (56%)
- Green (60%)
- Blue (64%)



- Red (56%)
- Yellow (59%)
- Blue (64%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (36%)



- Cyan (44%)
- Magenta (40%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4307, 31.0661, 39.5672 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 29.4307, 31.0661, 39.5672 by changing the saturation by 10% instead.

■ 29.4307, 31.0661,
39.5672

■ 29.4307, 31.0661,
39.5672

291.1994,
306.8427, 359.7937

■ 19.5528, 20.6492,
26.8900

■ 58.1535, 61.3441,
75.7339

■ 12.1768, 12.8678,
17.2589

■ 77.7292, 81.9740,
100.0605

■ 6.9372, 7.3376,
10.2554

101.2681,
106.7770, 129.1073

■ 3.4689, 3.6741,
5.4608

129.1356,
136.1376, 163.2929

■ 1.4063, 1.4930,
2.4567

161.6972,
170.4400, 203.0358

■ 0.2607, 0.2838,
0.8171

199.3181,

■ 0.0000, 0.0000,

210.0688, 248.7545

0.0000

242.3637,
255.4082, 300.8676

■ 29.4307, 31.0661,
39.5672

■ 29.4307, 31.0661,
39.5672

■ 25.2408, 26.6339,
38.9330

■ 34.1711, 35.9804,
40.2664

■ 21.5775, 22.6642,
38.3599

■ 39.4790, 41.3877,
41.0304

■ 18.4193, 19.1419,
37.8465

■ 45.3743, 47.3035,
41.8615

■ 15.7419, 16.0493,
37.3906

■ 51.8749, 53.7413,
42.7615

■ 13.5191, 13.3675,
36.9902

■ 58.9979, 60.7140,
43.7319

■ 11.7217, 11.0759,
36.6426

■ 66.7599, 68.2343,
44.7744

■ 10.3169, 9.1516,
36.3452

■ 73.7637, 75.5859,
45.8243

■ 9.2660, 7.5685,
36.0950

■ 76.4360, 80.9305,
46.7150

■ 8.6268, 6.5322,
35.9286

■ 79.2630, 86.5845,
47.6574

Harmonies

Analogous

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



28.5051, 31.0661, 38.6114



29.4307, 31.0661, 39.5672



30.4025, 31.0661, 38.9150

Triad

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



29.4307, 31.0661, 39.5672



31.2547, 31.0661, 31.4039



27.9582, 31.0661, 30.9491

Complementary

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



29.4307, 31.0661, 39.5672



32.2326, 33.6830, 31.1888

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.



28.6692, 31.0661, 29.2007



29.4307, 31.0661, 39.5672



30.5738, 31.0661, 29.4528

Square

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



29.4307, 31.0661, 39.5672



31.4694, 31.0661, 34.1037



29.6243, 31.0661, 28.6684



27.6669, 31.0661, 33.5492

Rectangle

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



29.4307, 31.0661, 39.5672



30.9434, 31.0661, 37.6750



29.6243, 31.0661, 28.6684



28.1552, 31.0661, 30.2480

Sweetspot

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



29.4316, 31.0674, 39.5679



60.3299, 63.5649, 72.8418



30.7502, 34.8698, 36.4151



13.0487, 13.7515, 15.9041



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.



29.4316, 31.0674, 39.5679



50.9695, 53.8156, 71.4534



28.4696, 28.7080, 39.1632



6.9222, 7.3034, 8.9479



6.6587, 5.0969, 27.5626



0.1855, 0.1982, 0.5943

Inverse Universe

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



30.9514, 30.1068, 33.8871



54.3741, 51.7476, 58.7079



33.2782, 36.2815, 31.6353



7.1857, 7.1307, 7.9643



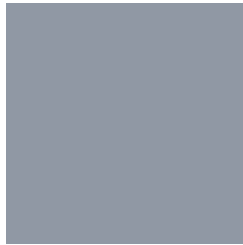
12.5065, 6.3587, 4.5918



0.2858, 0.1428, 0.2176

Previews

White Background



This preview shows how the XYZ color 29.4307, 31.0661, 39.5672 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 29.4307, 31.0661, 39.5672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

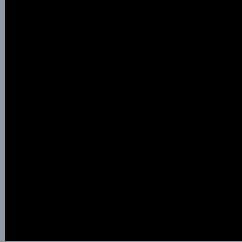
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

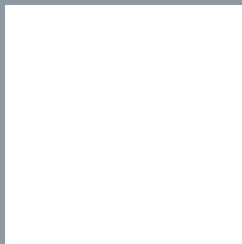
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4307, 31.0661, 39.5672

Background



This preview shows how black text looks on a background with the XYZ color 29.4307, 31.0661, 39.5672.

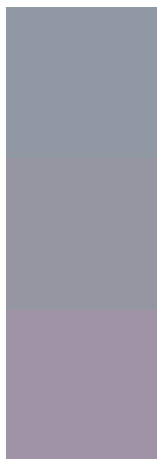


This preview shows how white text looks on a background with the XYZ color 29.4307, 31.0661,

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

29.4307, 31.0661, 39.5672

Protanopia

30.0949, 30.9411, 39.0364

Deuteranopia

31.5233, 30.9550, 39.9108



Tritanopia

29.4307, 31.0661, 39.5672

Trichromacy



Original Color

29.4307, 31.0661, 39.5672

Protanomaly

29.8902, 31.0735, 39.0727

Deuteranomaly

30.8654, 31.0815, 39.9699

Tritanomaly

29.4307, 31.0661, 39.5672

Monochromacy



Original Color

29.4307, 31.0661, 39.5672

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.2801, 30.8294, 35.8599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4307, 31.0661, 39.5672 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(144, 152, 164)` looks like.

```
.text, #text, p{  
    color:rgb(144, 152, 164)  
}
```

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(144, 152, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 152, 164) }
```

Border

The CSS property to change the border of an element to XYZ 29.4307, 31.0661, 39.5672 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(144, 152, 164) }
```


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

```
.border{ border-color:rgb(144, 152, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 152, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 152, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 152, 164);  
box-shadow:4px 4px 4px 4px rgb(144, 152,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4307, 31.0661, 39.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 152, 164) }
```

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

```
.background{ background-color: rgb(144,  
152, 164) }
```

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