

Converting Colors

XYZ(29.6532, 31.1678, 35.4637)

Have a look what the booklet for
XYZ(29.6532, 31.1678, 35.4637)
contains.

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Color

**XYZ(29.7223, 31.3071,
35.4867)**

Conversions

Conversions Part 1

Format	Color
Hex	96989B
RGB	150, 152, 155
RGB Percent	59%, 60%, 61%
CMY	0.4118, 0.4039, 0.3922
CMYK	0.03, 0.02, 0.00, 0.39
HSL	216°, 2%, 60%
HSV	216°, 3%, 61%
XYZ	29.7223, 31.3071, 35.4867
YIQ	151.7440, -2.1550, 0.5090

Conversions

Conversions Part 2

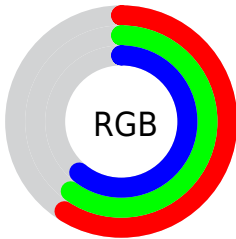
Format	Color
RYB	150, 151, 155
Decimal	9869467
CIELab	62.77, -0.13, -1.83
CIELCh	63, 1.837, 265.943
Yxy	31.3071, 0.3080, 0.3244
Android (android.graphics.Color)	4288059547 (0xFF96989B)
YUV	151.7440, 1.6052, -1.5295
Hunter-Lab	55.9527, -3.0975, 1.5637

Details

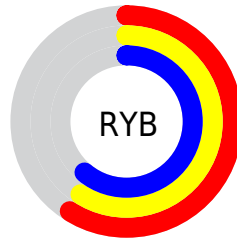
The XYZ color **29.7223, 31.3071, 35.4867** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.4138, 31.9526, 33.4190**, and the grayscale version is **29.7294, 31.2777, 34.0614**.

A 20% lighter version of the original color is **58.4818, 61.5834, 69.1261**, and **12.2980, 12.9595, 14.9500** is the 20% darker color. If you saturate the color by 10%, you get **25.6074, 27.0349, 34.8794**, and if you desaturate by 10%, it is **34.3345, 36.0128, 36.1524**.

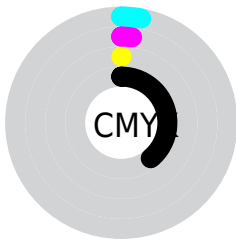
Distribution



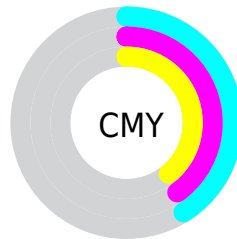
- Red (59%)
- Green (60%)
- Blue (61%)



- Red (59%)
- Yellow (59%)
- Blue (61%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (39%)



- Cyan (41%)
- Magenta (40%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7223, 31.3071, 35.4867 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 29.7223, 31.3071, 35.4867 by changing the saturation by 10% instead.

■ 29.7223, 31.3071,
35.4867

■ 29.7223, 31.3071,
35.4867

292.5410,
307.9506, 341.6807

■ 19.7749, 20.8328,
23.7515

■ 58.6124, 61.7232,
69.3992

■ 12.3389, 13.0018,
14.9389

■ 78.2858, 82.4339,
92.4135

■ 7.0487, 7.4298,
8.6304

101.9319,
107.3254, 120.0246

■ 3.5392, 3.7323,
4.4074

129.9162,
136.7823, 152.6510

■ 1.4449, 1.5250,
1.8514

162.6038,
171.1889, 190.7113

■ 0.2879, 0.3062,
0.4615

200.3603,

■ 0.0000, 0.0000,

210.9295, 234.6240

0.0000

243.5509,
256.3886, 284.8076

■ 29.7223, 31.3071,
35.4867

■ 29.7223, 31.3071,
35.4867

■ 25.6074, 27.0349,
34.8794

■ 34.3345, 36.0128,
36.1524

■ 21.9697, 23.1793,
34.3270

■ 39.4577, 41.1603,
36.8759

■ 18.7916, 19.7278,
33.8283

■ 45.1086, 46.7628,
37.6595

■ 16.0534, 16.6661,
33.3816

■ 51.3022, 52.8317,
38.5044

■ 13.7340, 13.9787,
32.9851

■ 58.0528, 59.3779,
39.4122

■ 11.8102, 11.6491,
32.6369

■ 65.3744, 66.4121,
40.3840

■ 10.2564, 9.6591,
32.3347

■ 71.9803, 73.2741,
41.3604

■ 9.0438, 7.9888,
32.0762

■ 74.4436, 78.2009,
42.1815

■ 8.1383, 6.6151,
31.8587

■ 77.0440, 83.4017,
43.0483

Harmonies

Analogous

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



29.4868, 31.3071, 35.2471



29.7223, 31.3071, 35.4867



29.9683, 31.3071, 35.3473

Triad

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



29.7223, 31.3071, 35.4867



30.1929, 31.3071, 33.4865



29.3581, 31.3071, 33.3193

Complementary

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



29.7223, 31.3071, 35.4867



30.4138, 31.9526, 33.4190

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.



29.5456, 31.3071, 32.8592



29.7223, 31.3071, 35.4867



30.0278, 31.3071, 32.9548

Square

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



29.7223, 31.3071, 35.4867



30.2409, 31.3071, 34.1861



29.7906, 31.3071, 32.7268



29.2772, 31.3071, 33.9903

Rectangle

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



29.7223, 31.3071, 35.4867



30.1049, 31.3071, 35.0591



29.7906, 31.3071, 32.7268



29.4107, 31.3071, 33.1352

Sweetspot

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



29.7232, 31.3084, 35.4874



54.9750, 57.8610, 63.8071



30.0423, 32.2244, 34.7379



12.4544, 13.1079, 14.4440



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



29.7232, 31.3084, 35.4874



52.5681, 55.3874, 63.4565



29.4776, 30.7033, 35.3835



6.5077, 6.8579, 7.9097



6.1750, 4.7467, 25.4984



0.1265, 0.1393, 0.3926

Inverse Universe

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



30.0921, 31.0488, 34.1144



53.3998, 54.8073, 60.3596



30.6646, 32.5726, 33.5255



6.6246, 6.7768, 7.4741



11.5756, 5.8845, 4.2902



0.1903, 0.0949, 0.1549

Previews

White Background



This preview shows how the XYZ color 29.7223, 31.3071, 35.4867 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 29.7223, 31.3071, 35.4867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

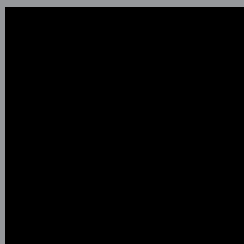
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

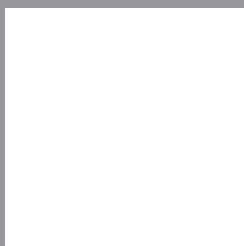
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7223, 31.3071, 35.4867

Background



This preview shows how black text looks on a background with the XYZ color 29.7223, 31.3071, 35.4867.



This preview shows how white text looks on a background with the XYZ color 29.7223, 31.3071,

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

29.7223, 31.3071, 35.4867

Protanopia

30.2258, 31.3363, 35.0273

Deuteranopia

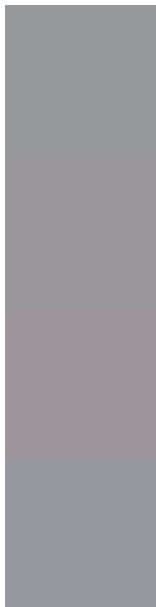
31.7443, 31.1603, 35.7939



Tritanopia

30.4400, 31.3569, 39.0985

Trichromacy



Original Color

29.7223, 31.3071, 35.4867

Protanomaly

30.0362, 31.2386, 35.0184

Deuteranomaly

31.0463, 31.2661, 35.8511

Tritanomaly

30.1743, 31.2506, 37.6993

Monochromacy



Original Color

29.7223, 31.3071, 35.4867

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.7405, 31.3357, 34.6179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7223, 31.3071, 35.4867 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(150, 152, 155)` looks like.

```
.text, #text, p{  
    color:rgb(150, 152, 155)  
}
```

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(150, 152, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 152, 155) }
```

Border

The CSS property to change the border of an element to XYZ 29.7223, 31.3071, 35.4867 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(150, 152, 155) }
```


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

```
.border{ border-color:rgb(150, 152, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 152, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 152, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 152, 155);  
box-shadow:4px 4px 4px 4px rgb(150, 152,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7223, 31.3071, 35.4867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 152, 155) }
```

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

```
.background{ background-color: rgb(150,  
152, 155) }
```

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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