

Converting Colors

XYZ(29.8889, 31.1656, 37.4585)

Have a look what the booklet for
XYZ(29.8889, 31.1656, 37.4585)
contains.

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Color

**XYZ(29.7190, 31.0260,
37.2231)**

Conversions

Conversions Part 1

Format	Color
Hex	95979F
RGB	149, 151, 159
RGB Percent	58%, 59%, 62%
CMY	0.4157, 0.4078, 0.3765
CMYK	0.06, 0.05, 0.00, 0.38
HSL	228°, 5%, 60%
HSV	228°, 6%, 62%
XYZ	29.7190, 31.0260, 37.2231
YIQ	151.3140, -3.7600, 2.0640

Conversions

Conversions Part 2

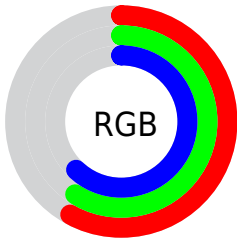
Format	Color
R _Y B	149, 151, 159
Decimal	9803679
CIE Lab	62.53, 0.88, -4.45
CIE LCh	63, 4.535, 281.146
Yxy	31.0260, 0.3034, 0.3167
Android (android.graphics.Color)	4287993759 (0xFF95979F)
YUV	151.3140, 3.7892, -2.0294
Hunter-Lab	55.7010, -2.2389, -0.6308

Details

The XYZ color **29.7190, 31.0260, 37.2231** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.7798, 33.6543, 33.2551**, and the grayscale version is **29.5361, 31.0742, 33.8398**.

A 20% lighter version of the original color is **58.5975, 61.2142, 72.3454**, and **12.3009, 12.7937, 16.0085** is the 20% darker color. If you saturate the color by 10%, you get **25.0768, 25.7578, 36.4514**, and if you desaturate by 10%, it is **34.9798, 36.9425, 38.0883**.

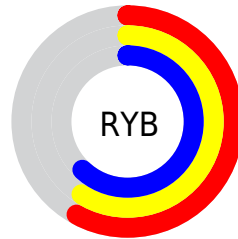
Distribution



Red (58%)

Green (59%)

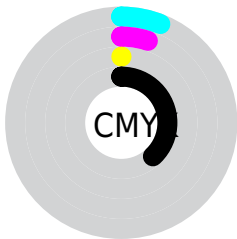
Blue (62%)



Red (58%)

Yellow (59%)

Blue (62%)

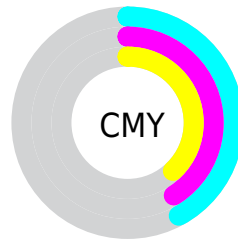


Cyan (6%)

Magenta (5%)

Yellow (0%)

Black (38%)



Cyan (42%)

Magenta (41%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7190, 31.0260, 37.2231 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 29.7190, 31.0260, 37.2231 by changing the saturation by 10% instead.

■ 29.7190, 31.0260,
37.2231

■ 29.7190, 31.0260,
37.2231

292.5258,
306.6581, 349.4731

■ 19.7724, 20.6186,
25.0831

■ 58.6072, 61.2810,
72.1059

■ 12.3370, 12.8455,
15.9194

■ 78.2795, 81.8974,
95.6859

■ 7.0475, 7.3223,
9.3134

101.9244,
106.6857, 123.9163

■ 3.5384, 3.6644,
4.8466

129.9073,
136.0302, 157.2156

■ 1.4445, 1.4877,
2.1004

162.5936,
170.3153, 196.0024

■ 0.2876, 0.2800,
0.6160

200.3485,

■ 0.0000, 0.0000,

209.9253, 240.6952

0.0000

243.5375,
255.2448, 291.7126

■ 29.7190, 31.0260,
37.2231

■ 29.7190, 31.0260,
37.2231

■ 25.0768, 25.7578,
36.4514

■ 34.9798, 36.9425,
38.0883

■ 21.0275, 21.1117,
35.7680

■ 40.8783, 43.5244,
39.0479

■ 17.5478, 17.0657,
35.1705

■ 47.4358, 50.7932,
40.1052

■ 14.6116, 13.5949,
34.6553

■ 54.6722, 58.7680,
41.2631

■ 12.1908, 10.6724,
34.2188

■ 62.6063, 67.4674,
42.5241

■ 10.2545, 8.2695,
33.8570

■ 71.2562, 76.9091,
43.8906

■ 8.7688, 6.3543,
33.5657

■ 78.6619, 86.0908,
45.2726

■ 7.6946, 4.8916,
33.3399

■ 82.5376, 93.8423,
46.5645

■ 6.9800, 3.8375,
33.1741

■ 83.2581, 95.2832,
46.8047

Harmonies

Analogous

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



29.1079, 31.0260, 37.0973



29.7190, 31.0260, 37.2231



30.2760, 31.0260, 36.4032

Triad

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



29.7190, 31.0260, 37.2231



30.3908, 31.0260, 31.5974



28.3818, 31.0260, 32.6969

Complementary

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



29.7190, 31.0260, 37.2231



31.7798, 33.6543, 33.2551

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.



28.7163, 31.0260, 31.2898



29.7190, 31.0260, 37.2231



29.8740, 31.0260, 30.6705

Square

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



29.7190, 31.0260, 37.2231



30.6675, 31.0260, 33.1301



29.2608, 31.0260, 30.5599



28.3416, 31.0260, 34.4425

Rectangle

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



29.7190, 31.0260, 37.2231



30.5396, 31.0260, 35.4467



29.2608, 31.0260, 30.5599



28.4633, 31.0260, 32.1703

Sweetspot

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



29.7199, 31.0273, 37.2238



57.0924, 59.9264, 67.3013



30.8646, 33.6149, 36.6857



12.8965, 13.5386, 15.1771



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



29.7199, 31.0273, 37.2238



51.5935, 53.7220, 66.3936



29.9236, 30.6578, 37.1417



6.3870, 6.6398, 8.3517



5.3724, 2.8364, 26.1716



0.1216, 0.1019, 0.4765

Inverse Universe

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



30.6321, 31.1007, 33.6683



53.6888, 53.9041, 58.2234



31.5659, 34.0512, 33.3430



6.6847, 6.6668, 7.1907



11.5100, 5.9085, 1.6705



0.2187, 0.1108, 0.0979

Previews

White Background



This preview shows how the XYZ color 29.7190, 31.0260, 37.2231 looks on a white background.

Color Contrast Check

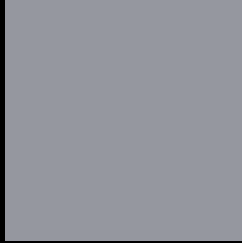
Large Text (above 18pt) WCAG AA × Fail

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 29.7190, 31.0260, 37.2231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

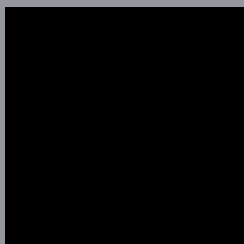
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

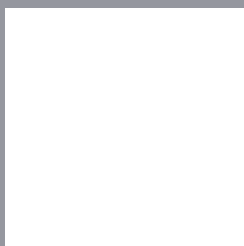
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7190, 31.0260, 37.2231

Background



This preview shows how black text looks on a background with the XYZ color 29.7190, 31.0260, 37.2231.



This preview shows how white text looks on a background with the XYZ color 29.7190, 31.0260,

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

29.7190, 31.0260, 37.2231

Protanopia

30.1132, 30.9913, 37.1957

Deuteranopia

31.6792, 31.0869, 37.5884



Tritanopia

30.0056, 30.9054, 38.5663

Trichromacy



Original Color

29.7190, 31.0260, 37.2231

Protanomaly

29.9269, 30.8952, 37.1869

Deuteranomaly

30.8397, 30.8860, 37.5939

Tritanomaly

29.9170, 30.8699, 38.0999

Monochromacy



Original Color

29.7190, 31.0260, 37.2231

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.4770, 30.9503, 34.9923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7190, 31.0260, 37.2231 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(149, 151, 159)` looks like.

```
.text, #text, p{  
    color:rgb(149, 151, 159)  
}
```

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(149, 151, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 151, 159) }
```

Border

The CSS property to change the border of an element to XYZ 29.7190, 31.0260, 37.2231 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(149, 151, 159) }
```


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

```
.border{ border-color:rgb(149, 151, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 151, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 151, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 151, 159);  
box-shadow:4px 4px 4px 4px rgb(149, 151,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7190, 31.0260, 37.2231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 151, 159) }
```

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

```
.background{ background-color: rgb(149,  
151, 159) }
```

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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