

Converting Colors

XYZ(29.7685, 31.0446, 36.2261)

Have a look what the booklet for
XYZ(29.7685, 31.0446, 36.2261)
contains.

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Color

**XYZ(29.7301, 31.0516,
36.3249)**

Conversions

Conversions Part 1

Format	Color
Hex	96979D
RGB	150, 151, 157
RGB Percent	59%, 59%, 62%
CMY	0.4118, 0.4078, 0.3843
CMYK	0.04, 0.04, 0.00, 0.38
HSL	231°, 3%, 60%
HSV	231°, 4%, 62%
XYZ	29.7301, 31.0516, 36.3249
YIQ	151.3850, -2.5220, 1.6540

Conversions

Conversions Part 2

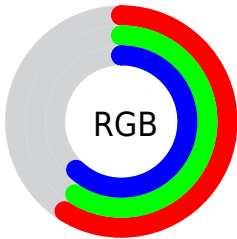
Format	Color
RYB	150, 151, 157
Decimal	9869213
CIELab	62.55, 0.83, -3.28
CIElCh	63, 3.381, 284.140
Yxy	31.0516, 0.3062, 0.3198
Android (android.graphics.Color)	4288059293 (0xFF96979D)
YUV	151.3850, 2.7682, -1.2146
Hunter-Lab	55.7240, -2.2828, 0.3573

Details

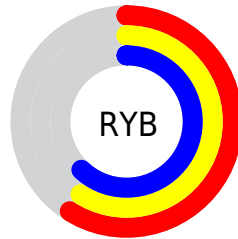
The XYZ color **29.7301, 31.0516, 36.3249** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.2982, 33.1467, 33.6030**, and the grayscale version is **29.5704, 31.1104, 33.8792**.

A 20% lighter version of the original color is **58.6168, 61.2535, 71.0210**, and **12.3043, 12.8076, 15.4593** is the 20% darker color. If you saturate the color by 10%, you get **24.9899, 25.5762, 35.5184**, and if you desaturate by 10%, it is **35.1063, 37.2232, 37.2333**.

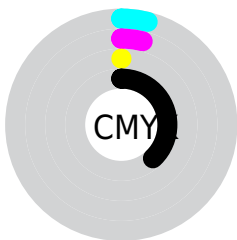
Distribution



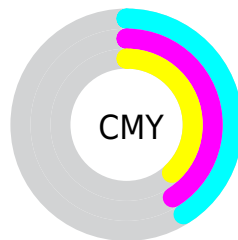
- Red (59%)
- Green (59%)
- Blue (62%)



- Red (59%)
- Yellow (59%)
- Blue (62%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (38%)



- Cyan (41%)
- Magenta (41%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7301, 31.0516, 36.3249 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 29.7301, 31.0516, 36.3249 by changing the saturation by 10% instead.

■ 29.7301, 31.0516,
36.3249

■ 29.7301, 31.0516,
36.3249

292.5768,
306.7760, 345.4587

■ 19.7809, 20.6381,
24.3935

■ 58.6246, 61.3213,
70.7079

■ 12.3432, 12.8598,
15.4109

■ 78.3007, 81.9463,
93.9967

■ 7.0517, 7.3320,
8.9585

101.9497,
106.7440, 121.9083

■ 3.5411, 3.6706,
4.6177

129.9370,
136.0987, 154.8614

■ 1.4459, 1.4911,
1.9699

162.6280,
170.3949, 193.2744

■ 0.2886, 0.2824,
0.5367

200.3881,

■ 0.0000, 0.0000,

210.0169, 237.5659

0.0000

243.5826,
255.3491, 288.1545

■ 29.7301, 31.0516,
36.3249

■ 29.7301, 31.0516,
36.3249

■ 24.9899, 25.5762,
35.5184

■ 35.1063, 37.2232,
37.2333

■ 20.8593, 20.7687,
34.8081

■ 41.1380, 44.1103,
38.2447

■ 17.3143, 16.6046,
34.1912

■ 47.8474, 51.7363,
39.3630

■ 14.3282, 13.0563,
33.6637

■ 55.2547, 60.1223,
40.5913

■ 11.8720, 10.0944,
33.2214

■ 63.3793, 69.2886,
41.9324

■ 9.9143, 7.6868,
32.8599

■ 72.2398, 79.2548,
43.3890

■ 8.4203, 5.7984,
32.5742

■ 80.0278, 89.0981,
44.8785

■ 7.3504, 4.3899,
32.3587

■ 83.0859, 95.2144,
45.8979

■ 6.6576, 3.4161,
32.2072

Harmonies

Analogous

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



29.2727, 31.0516, 36.3043



29.7301, 31.0516, 36.3249



30.1336, 31.0516, 35.6596

Triad

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



29.7301, 31.0516, 36.3249



30.1526, 31.0516, 32.0772



28.6714, 31.0516, 33.1227

Complementary

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



29.7301, 31.0516, 36.3249



31.2982, 33.1467, 33.6030

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.



28.9022, 31.0516, 32.0253



29.7301, 31.0516, 36.3249



29.7559, 31.0516, 31.4325

Square

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



29.7301, 31.0516, 36.3249



30.3792, 31.0516, 33.1952



29.2982, 31.0516, 31.4138



28.6646, 31.0516, 34.4322

Rectangle

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



29.7301, 31.0516, 36.3249



30.3163, 31.0516, 34.9263



29.2982, 31.0516, 31.4138



28.7252, 31.0516, 32.7176

Sweetspot

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



29.7310, 31.0529, 36.3256



56.4251, 59.2701, 65.5931



30.6316, 32.9971, 36.1854



12.4288, 13.0567, 14.4355



74.8435, 78.7412, 85.7492



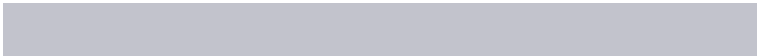
12.6291, 13.2868, 14.4694

Same Dimension

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



29.7310, 31.0529, 36.3256



52.6695, 54.9498, 64.9571



30.0259, 30.9664, 36.2933



6.7760, 7.0636, 8.4130



5.2010, 2.4936, 26.1144



0.1122, 0.0829, 0.4733

Inverse Universe

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



30.3976, 31.2158, 33.7029



54.0290, 55.2839, 59.6078



30.9938, 33.2406, 33.6372



6.9675, 7.1109, 7.6595



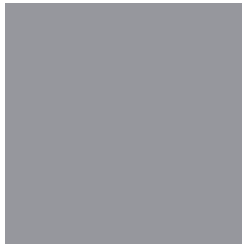
11.4234, 5.8739, 1.2149



0.2139, 0.1089, 0.0727

Previews

White Background



This preview shows how the XYZ color 29.7301, 31.0516, 36.3249 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 29.7301, 31.0516, 36.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

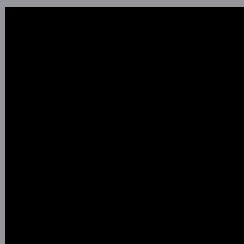
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

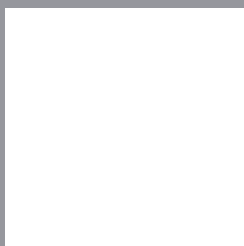
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7301, 31.0516, 36.3249

Background



This preview shows how black text looks on a background with the XYZ color 29.7301, 31.0516, 36.3249.



This preview shows how white text looks on a background with the XYZ color 29.7301, 31.0516,

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

29.7301, 31.0516, 36.3249

Protanopia

29.9410, 30.9224, 36.2888

Deuteranopia

31.7095, 31.1226, 36.6837



Tritanopia

30.1904, 31.0006, 38.5749

Trichromacy



Original Color

29.7301, 31.0516, 36.3249

Protanomaly

29.7546, 30.8263, 36.2801

Deuteranomaly

30.8620, 30.9175, 36.6888

Tritanomaly

30.0140, 30.9301, 37.6459

Monochromacy



Original Color

29.7301, 31.0516, 36.3249

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.5789, 31.0124, 34.5640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7301, 31.0516, 36.3249 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, 151, 157)` looks like.

```
.text, #text, p{  
    color:rgb(150, 151, 157)  
}
```

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, 151, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 151, 157) }
```

Border

The CSS property to change the border of an element to XYZ 29.7301, 31.0516, 36.3249 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, 151, 157) }
```


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

```
.border{ border-color:rgb(150, 151, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 151, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 151, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 151, 157);  
box-shadow:4px 4px 4px 4px rgb(150, 151,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7301, 31.0516, 36.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 151, 157) }
```

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

```
.background{ background-color: rgb(150,  
151, 157) }
```

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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