

Converting Colors

XYZ(29.6086, 31.4429, 37.6746)

Have a look what the booklet for
XYZ(29.6086, 31.4429, 37.6746)
contains.

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Color

**XYZ(29.5905, 31.4315,
37.7650)**

Conversions

Conversions Part 1

Format	Color
Hex	9299A0
RGB	146, 153, 160
RGB Percent	57%, 60%, 63%
CMY	0.4274, 0.4000, 0.3725
CMYK	0.09, 0.04, 0.00, 0.37
HSL	210°, 7%, 60%
HSV	210°, 9%, 63%
XYZ	29.5905, 31.4315, 37.7650
YIQ	151.7050, -6.4190, 0.6930

Conversions

Conversions Part 2

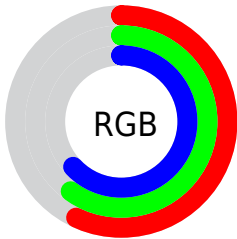
Format	Color
R_{YB}	146, 151, 160
Decimal	9607584
CIE _{Lab}	62.87, -1.08, -4.54
CIE _{LCh}	63, 4.665, 256.594
Yxy	31.4315, 0.2995, 0.3182
Android (android.graphics.Color)	4287797664 (0xFF9299A0)
YUV	151.7050, 4.0894, -5.0033
Hunter-Lab	56.0638, -3.8993, -0.6935

Details

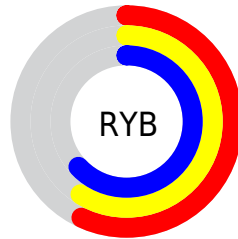
The XYZ color **29.5905, 31.4315, 37.7650** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.0770, 32.3314, 31.7975**, and the grayscale version is **29.7036, 31.2505, 34.0318**.

A 20% lighter version of the original color is **58.3980, 61.8113, 73.1428**, and **12.2310, 13.0398, 16.3403** is the 20% darker color. If you saturate the color by 10%, you get **25.6777, 27.5366, 37.2199**, and if you desaturate by 10%, it is **33.9910, 35.7098, 38.3594**.

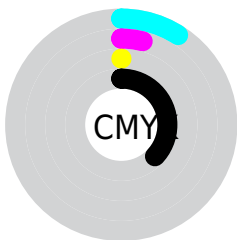
Distribution



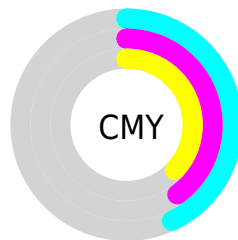
- Red (57%)
- Green (60%)
- Blue (63%)



- Red (57%)
- Yellow (59%)
- Blue (63%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (37%)



- Cyan (43%)
- Magenta (40%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5905, 31.4315, 37.7650 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 29.5905, 31.4315, 37.7650 by changing the saturation by 10% instead.

■ 29.5905, 31.4315,
37.7650

■ 29.5905, 31.4315,
37.7650

291.9352,
308.5213, 351.8787

■ 19.6745, 20.9276,
25.4999

■ 58.4051, 61.9188,
72.9472

■ 12.2655, 13.0711,
16.2275

■ 78.0343, 82.6710,
96.7015

■ 6.9983, 7.4775,
9.5292

101.6321,
107.6082, 125.1225

■ 3.5073, 3.7625,
4.9864

129.5636,
137.1146, 158.6289

■ 1.4274, 1.5416,
2.1807

162.1944,
171.5747, 197.6392

■ 0.2756, 0.3178,
0.6632

199.8896,

■ 0.0000, 0.0000,

211.3730, 242.5719

0.0000

243.0148,
256.8937, 293.8455

■ 29.5905, 31.4315,
37.7650

■ 29.5905, 31.4315,
37.7650

■ 25.6777, 27.5366,
37.2199

■ 33.9910, 35.7098,
38.3594

■ 22.2316, 24.0091,
36.7207

■ 38.8936, 40.3789,
39.0022

■ 19.2340, 20.8380,
36.2666

■ 44.3154, 45.4507,
39.6954

■ 16.6639, 18.0097,
35.8561

■ 50.2721, 50.9357,
40.4401

■ 14.4988, 15.5098,
35.4877

■ 56.7783, 56.8438,
41.2376

■ 12.7140, 13.3228,
35.1596

■ 63.8484, 63.1845,
42.0888

■ 11.2814, 11.4310,
34.8700

■ 70.3828, 69.3932,
42.9428

■ 10.1688, 9.8149,
34.6167

■ 72.3945, 73.4165,
43.6134

■ 9.3144, 8.4393,
34.3962

■ 74.5061, 77.6397,
44.3173

Harmonies

Analogous

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



29.0376, 31.4315, 36.8465



29.5905, 31.4315, 37.7650



30.2273, 31.4315, 37.7109

Triad

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



29.5905, 31.4315, 37.7650



31.0688, 31.4315, 33.2276



28.9902, 31.4315, 31.8601

Complementary

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



29.5905, 31.4315, 37.7650



31.0770, 32.3314, 31.7975

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.



29.5249, 31.4315, 30.9582



29.5905, 31.4315, 37.7650



30.7277, 31.4315, 31.7282

Square

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



29.5905, 31.4315, 37.7650



31.0869, 31.4315, 35.0466



30.1607, 31.4315, 30.9107



28.6944, 31.4315, 33.4135

Rectangle

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



29.5905, 31.4315, 37.7650



30.6138, 31.4315, 37.1297



30.1607, 31.4315, 30.9107



29.1476, 31.4315, 31.4731

Sweetspot

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



29.5914, 31.4328, 37.7657



58.1653, 61.4061, 69.1735



30.1560, 33.5454, 34.9222



12.6197, 13.3344, 15.1523



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.



29.5914, 31.4328, 37.7657



52.6494, 56.0089, 68.4224



28.5148, 29.2796, 37.4068



6.5451, 6.9559, 8.4043



7.2228, 6.5372, 26.7884



0.1714, 0.2015, 0.4931

Inverse Universe

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



30.5266, 30.3320, 34.3842



54.6146, 53.7248, 61.3102



32.2164, 34.6102, 32.1773



6.7645, 6.6987, 7.6108



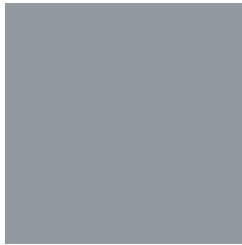
12.4440, 6.2821, 6.5889



0.2438, 0.1209, 0.2302

Previews

White Background



This preview shows how the XYZ color 29.5905, 31.4315, 37.7650 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 29.5905, 31.4315, 37.7650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

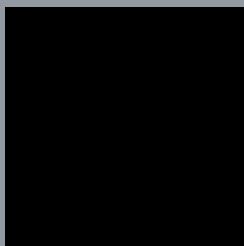
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

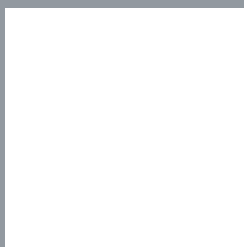
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5905, 31.4315, 37.7650

Background



This preview shows how black text looks on a background with the XYZ color 29.5905, 31.4315, 37.7650.



This preview shows how white text looks on a background with the XYZ color 29.5905, 31.4315,

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

29.5905, 31.4315, 37.7650

Protanopia

30.4615, 31.4087, 37.2579

Deuteranopia

32.1272, 31.5395, 38.1127



Tritanopia

29.9617, 31.3399, 39.5920

Trichromacy



Original Color

29.5905, 31.4315, 37.7650

Protanomaly

30.0639, 31.4437, 37.2856

Deuteranomaly

31.2440, 31.5540, 38.1620

Tritanomaly

29.8717, 31.3039, 39.1182

Monochromacy



Original Color

29.5905, 31.4315, 37.7650

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.7223, 31.3071, 35.4867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5905, 31.4315, 37.7650 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(146, 153, 160)` looks like.

```
.text, #text, p{  
    color:rgb(146, 153, 160)  
}
```

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(146, 153, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 153, 160) }
```

Border

The CSS property to change the border of an element to XYZ 29.5905, 31.4315, 37.7650 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(146, 153, 160) }
```


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

```
.border{ border-color:rgb(146, 153, 160) }
```

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

Here you see how a box with a 4 pixel rgb(146, 153, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 153, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 153, 160);  
box-shadow:4px 4px 4px 4px rgb(146, 153,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5905, 31.4315, 37.7650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 153, 160) }
```

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

```
.background{ background-color: rgb(146,  
153, 160) }
```

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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