

Converting Colors

XYZ(29.5505, 31.8928, 38.0813)

Have a look what the booklet for
XYZ(29.5505, 31.8928, 38.0813)
contains.

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Color

**XYZ(29.5681, 31.9100,
37.8586)**

Conversions

Conversions Part 1

Format	Color
Hex	909BA0
RGB	144, 155, 160
RGB Percent	56%, 61%, 63%
CMY	0.4353, 0.3921, 0.3725
CMYK	0.10, 0.03, 0.00, 0.37
HSL	199°, 8%, 60%
HSV	199°, 10%, 63%
XYZ	29.5681, 31.9100, 37.8586
YIQ	152.2810, -8.1610, -0.7770

Conversions

Conversions Part 2

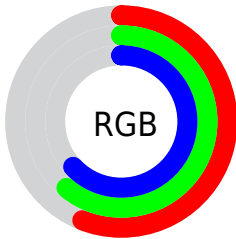
Format	Color
RYB	144, 151, 160
Decimal	9477024
CIELab	63.27, -2.88, -3.97
CIElCh	63, 4.904, 233.987
Yxy	31.9100, 0.2977, 0.3212
Android (android.graphics.Color)	4287667104 (0xFF909BA0)
YUV	152.2810, 3.8055, -7.2624
Hunter-Lab	56.4889, -5.4231, -0.1936

Details

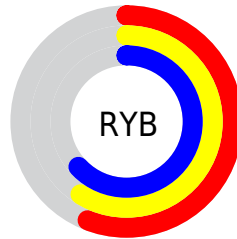
The XYZ color **29.5681, 31.9100, 37.8586** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.2789, 30.9820, 30.7704**, and the grayscale version is **29.9537, 31.5136, 34.3183**.

A 20% lighter version of the original color is **58.3549, 62.5130, 73.2806**, and **12.3267, 13.3844, 16.4018** is the 20% darker color. If you saturate the color by 10%, you get **26.1548, 28.9418, 37.4661**, and if you desaturate by 10%, it is **33.4138, 35.1539, 38.2825**.

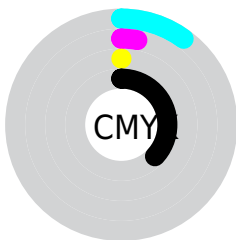
Distribution



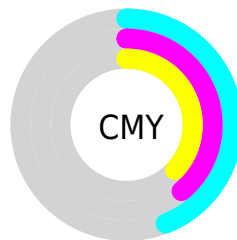
- Red (56%)
- Green (61%)
- Blue (63%)



- Red (56%)
- Yellow (59%)
- Blue (63%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (37%)



- Cyan (44%)
- Magenta (39%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5681, 31.9100, 37.8586 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 29.5681, 31.9100, 37.8586 by changing the saturation by 10% instead.

■ 29.5681, 31.9100,
37.8586

■ 29.5681, 31.9100,
37.8586

291.8321,
310.7091, 352.2930

■ 19.6574, 21.2928,
25.5720

■ 58.3698, 62.6700,
73.0924

■ 12.2531, 13.3382,
16.2808

■ 77.9916, 83.5815,
96.8766

■ 6.9897, 7.6618,
9.5666

101.5811,
108.6932, 125.3305

■ 3.5019, 3.8793,
5.0107

129.5037,
138.3896, 158.8725

■ 1.4244, 1.6063,
2.1947

162.1247,
173.0550, 197.9212

■ 0.2735, 0.3618,
0.6713

199.8096,

■ 0.0000, 0.0000,

213.0737, 242.8952

0.0000

242.9236,
258.8303, 294.2129

■ 29.5681, 31.9100,
37.8586

■ 29.5681, 31.9100,
37.8586

■ 26.1548, 28.9418,
37.4661

■ 33.4138, 35.1539,
38.2825

■ 23.1541, 26.2360,
37.1020

■ 37.7051, 38.6784,
38.7367

■ 20.5487, 23.7839,
36.7660

■ 42.4582, 42.4932,
39.2225

■ 18.3192, 21.5748,
36.4571

■ 47.6873, 46.6063,
39.7408

■ 16.4441, 19.5970,
36.1742

■ 53.4062, 51.0255,
40.2923

■ 14.8998, 17.8377,
35.9160

■ 59.6283, 55.7579,
40.8779

■ 13.6596, 16.2824,
35.6811

■ 65.9963, 60.6202,
41.4808

■ 12.6920, 14.9143,
35.4681

■ 67.0974, 62.8225,
41.8478

■ 11.9236, 13.6947,
35.2732

■ 68.2360, 65.0997,
42.2273

Harmonies

Analogous

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



29.1519, 31.9100, 36.2874



29.5681, 31.9100, 37.8586



30.1929, 31.9100, 38.5985

Triad

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



29.5681, 31.9100, 37.8586



31.6469, 31.9100, 35.1378



29.8017, 31.9100, 31.4382

Complementary

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



29.5681, 31.9100, 37.8586



30.2789, 30.9820, 30.7704

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.



30.4665, 31.9100, 31.1561



29.5681, 31.9100, 37.8586



31.5384, 31.9100, 33.2461

Square

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



29.5681, 31.9100, 37.8586



31.3982, 31.9100, 36.9904



31.1039, 31.9100, 31.8062



29.2853, 31.9100, 32.5915

Rectangle

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



29.5681, 31.9100, 37.8586



30.6463, 31.9100, 38.5017



31.1039, 31.9100, 31.8062



30.0149, 31.9100, 31.2402

Sweetspot

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



29.5690, 31.9113, 37.8593



58.4494, 61.9744, 69.2682



29.4818, 33.2350, 33.2118



12.6976, 13.4901, 15.1783



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.



29.5690, 31.9113, 37.8593



52.2379, 56.6953, 68.5766



28.3122, 29.3977, 37.4404



6.6469, 7.1596, 8.4383



9.3286, 10.7488, 27.4903



0.2026, 0.2638, 0.5035

Inverse Universe

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



30.3876, 29.7873, 35.1598



54.0384, 52.0836, 62.6251



31.5550, 33.5341, 31.1957



6.8159, 6.7193, 7.8815



13.5069, 6.7073, 12.1860



0.2596, 0.1272, 0.3131

Previews

White Background



This preview shows how the XYZ color 29.5681, 31.9100, 37.8586 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 29.5681, 31.9100, 37.8586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

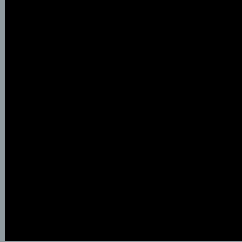
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

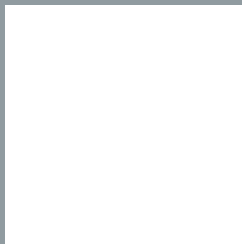
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5681, 31.9100, 37.8586

Background



This preview shows how black text looks on a background with the XYZ color 29.5681, 31.9100, 37.8586.



This preview shows how white text looks on a background with the XYZ color 29.5681, 31.9100,

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

29.5681, 31.9100, 37.8586

Protanopia

30.7262, 31.7951, 36.8654

Deuteranopia

32.3328, 31.6455, 38.1223



Tritanopia

30.1156, 31.8841, 40.6434

Trichromacy



Original Color

29.5681, 31.9100, 37.8586

Protanomaly

30.2269, 31.7697, 37.3399

Deuteranomaly

31.4043, 31.8745, 38.2154

Tritanomaly

29.9335, 31.8113, 39.6845

Monochromacy



Original Color

29.5681, 31.9100, 37.8586

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.7021, 31.5386, 35.5324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5681, 31.9100, 37.8586 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, 155, 160)` looks like.

```
.text, #text, p{  
    color:rgb(144, 155, 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(144, 155, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 155, 160) }
```

Border

The CSS property to change the border of an element to XYZ 29.5681, 31.9100, 37.8586 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, 155, 160) }
```


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

```
.border{ border-color:rgb(144, 155, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 155, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 155, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 155, 160);  
box-shadow:4px 4px 4px 4px rgb(144, 155,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5681, 31.9100, 37.8586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 155, 160) }
```

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

```
.background{ background-color: rgb(144,  
155, 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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