

Converting Colors

XYZ(29.6571, 31.3422, 36.9453)

Have a look what the booklet for
XYZ(29.6571, 31.3422, 36.9453)
contains.

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Color

**XYZ(29.6125, 31.2210,
36.8133)**

Conversions

Conversions Part 1

Format	Color
Hex	94989E
RGB	148, 152, 158
RGB Percent	58%, 60%, 62%
CMY	0.4196, 0.4039, 0.3804
CMYK	0.06, 0.04, 0.00, 0.38
HSL	216°, 5%, 60%
HSV	216°, 6%, 62%
XYZ	29.6125, 31.2210, 36.8133
YIQ	151.4880, -4.3100, 1.0180

Conversions

Conversions Part 2

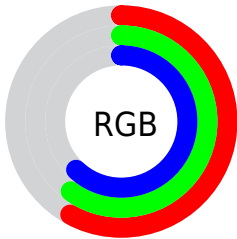
Format	Color
R_{YB}	148, 151, 158
Decimal	9738398
CIE _{Lab}	62.69, -0.24, -3.65
CIE _{LCh}	63, 3.659, 266.288
Yxy	31.2210, 0.3033, 0.3197
Android (android.graphics.Color)	4287928478 (0xFF94989E)
YUV	151.4880, 3.2104, -3.0590
Hunter-Lab	55.8758, -3.1828, 0.0503

Details

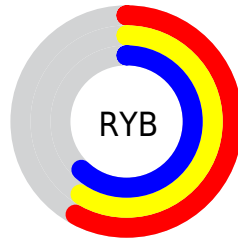
The XYZ color **29.6125, 31.2210, 36.8133** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.0015, 32.5180, 32.6600**, and the grayscale version is **29.6133, 31.1555, 33.9283**.

A 20% lighter version of the original color is **58.4387, 61.5033, 71.7421**, and **12.2373, 12.9103, 15.7569** is the 20% darker color. If you saturate the color by 10%, you get **25.4705, 26.8939, 36.1969**, and if you desaturate by 10%, it is **34.2693, 35.9977, 37.4903**.

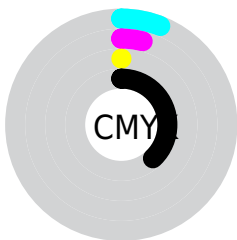
Distribution



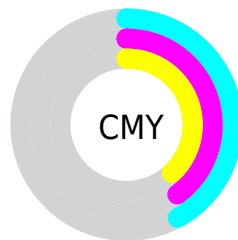
- Red (58%)
- Green (60%)
- Blue (62%)



- Red (58%)
- Yellow (59%)
- Blue (62%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (38%)



- Cyan (42%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6125, 31.2210, 36.8133 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 29.6125, 31.2210, 36.8133 by changing the saturation by 10% instead.

■ 29.6125, 31.2210,
36.8133

■ 29.6125, 31.2210,
36.8133

292.0364,
307.5552, 347.6458

■ 19.6913, 20.7672,
24.7683

■ 58.4397, 61.5878,
71.4687

■ 12.2778, 12.9539,
15.6871

■ 78.0763, 82.2697,
94.9161

■ 7.0067, 7.3968,
9.1510

101.6821,
107.1296, 123.0015

■ 3.5127, 3.7115,
4.7417

129.6225,
136.5521, 156.1433

■ 1.4303, 1.5135,
2.0404

162.2627,
170.9215, 194.7601

■ 0.2777, 0.2982,
0.5800

199.9682,

■ 0.0000, 0.0000,

210.6222, 239.2704

0.0000

243.1043,
256.0386, 290.0928

■ 29.6125, 31.2210,
36.8133

■ 29.6125, 31.2210,
36.8133

■ 25.4705, 26.8939,
36.1969

■ 34.2693, 35.9977,
37.4903

■ 21.8222, 22.9985,
35.6373

■ 39.4558, 41.2331,
38.2275

■ 18.6485, 19.5217,
35.1334

■ 45.1896, 46.9412,
39.0271

■ 15.9285, 16.4479,
34.6835

■ 51.4867, 53.1339,
39.8905

■ 13.6393, 13.7607,
34.2855

■ 58.3623, 59.8230,
40.8192

■ 11.7560, 11.4422,
33.9372

■ 65.8312, 67.0197,
41.8147

■ 10.2508, 9.4729,
33.6364

■ 72.5699, 74.0451,
42.8156

■ 9.0918, 7.8308,
33.3806

■ 75.1029, 79.1111,
43.6599

■ 8.2349, 6.4873,
33.1664

■ 77.7788, 84.4629,
44.5519

Harmonies

Analogous

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



29.1448, 31.2210, 36.3338



29.6125, 31.2210, 36.8133



30.1020, 31.2210, 36.5202

Triad

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



29.6125, 31.2210, 36.8133



30.5439, 31.2210, 32.7908



28.8830, 31.2210, 32.4907

Complementary

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



29.6125, 31.2210, 36.8133



31.0015, 32.5180, 32.6600

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.



29.2514, 31.2210, 31.5877



29.6125, 31.2210, 36.8133



30.2108, 31.2210, 31.7576

Square

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



29.6125, 31.2210, 36.8133



30.6432, 31.2210, 34.1727



29.7368, 31.2210, 31.3231



28.7266, 31.2210, 33.8166

Rectangle

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



29.6125, 31.2210, 36.8133



30.3742, 31.2210, 35.9305



29.7368, 31.2210, 31.3231



28.9859, 31.2210, 32.1291

Sweetspot

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



29.6134, 31.2223, 36.8140



57.2883, 60.3183, 67.3666



30.2589, 33.0777, 35.2894



12.9381, 13.6218, 15.1910



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.



29.6134, 31.2223, 36.8140



52.3338, 55.2027, 66.6404



29.1259, 30.0227, 36.6081



6.4918, 6.8493, 8.3866



6.4138, 4.9191, 26.5187



0.1549, 0.1683, 0.4876

Inverse Universe

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



30.3586, 30.7164, 34.0361



54.0625, 54.0536, 60.1913



31.5098, 33.7772, 32.8763



6.7376, 6.6879, 7.4691



12.0356, 6.1188, 4.4383



0.2355, 0.1175, 0.1861

Previews

White Background



This preview shows how the XYZ color 29.6125, 31.2210, 36.8133 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 29.6125, 31.2210, 36.8133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

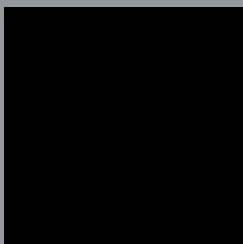
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

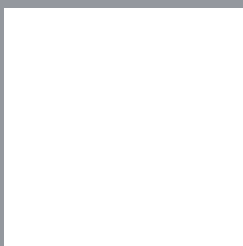
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6125, 31.2210, 36.8133

Background



This preview shows how black text looks on a background with the XYZ color 29.6125, 31.2210, 36.8133.



This preview shows how white text looks on a background with the XYZ color 29.6125, 31.2210,

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

29.6125, 31.2210, 36.8133

Protanopia

30.2893, 31.3398, 36.3511

Deuteranopia

31.7960, 31.1572, 37.1390



Tritanopia

30.0719, 31.1671, 39.0812

Trichromacy



Original Color

29.6125, 31.2210, 36.8133

Protanomaly

29.9149, 31.1468, 36.3335

Deuteranomaly

31.1060, 31.2672, 37.1966

Tritanomaly

29.8941, 31.0960, 38.1448

Monochromacy



Original Color

29.6125, 31.2210, 36.8133

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 29.6125, 31.2210, 36.8133 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(148, 152, 158)` looks like.

```
.text, #text, p{  
    color:rgb(148, 152, 158)  
}
```

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(148, 152, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 152, 158) }
```

Border

The CSS property to change the border of an element to XYZ 29.6125, 31.2210, 36.8133 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(148, 152, 158) }
```


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

```
.border{ border-color:rgb(148, 152, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 152, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 152, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 152, 158);  
box-shadow:4px 4px 4px 4px rgb(148, 152,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6125, 31.2210, 36.8133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 152, 158) }
```

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

```
.background{ background-color: rgb(148,  
152, 158) }
```

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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