

Converting Colors

XYZ(29.6310, 31.6621, 32.4192)

Have a look what the booklet for
XYZ(29.6310, 31.6621, 32.4192)
contains.

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Color

**XYZ(29.6854, 31.5960,
32.5510)**

Conversions

Conversions Part 1

Format	Color
Hex	989994
RGB	152, 153, 148
RGB Percent	60%, 60%, 58%
CMY	0.4039, 0.4000, 0.4196
CMYK	0.01, 0.00, 0.03, 0.40
HSL	72°, 2%, 59%
HSV	72°, 3%, 60%
XYZ	29.6854, 31.5960, 32.5510
YIQ	152.1310, 1.0090, -1.7670

Conversions

Conversions Part 2

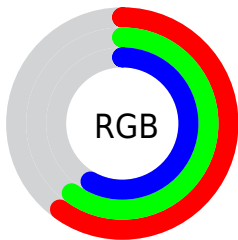
Format	Color
RYB	148, 153, 149
Decimal	10000788
CIELab	63.01, -1.31, 2.49
CIELCh	63, 2.814, 117.786
Yxy	31.5960, 0.3164, 0.3367
Android (android.graphics.Color)	4288190868 (0xFF989994)
YUV	152.1310, -2.0366, -0.1149
Hunter-Lab	56.2103, -4.0999, 5.0128

Details

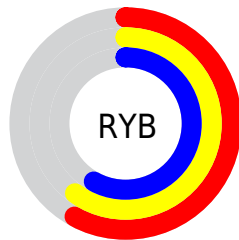
The XYZ color **29.6854, 31.5960, 32.5510** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.7354, 29.8701, 34.3897**, and the grayscale version is **29.9105, 31.4682, 34.2689**.

A 20% lighter version of the original color is **58.4271, 62.0117, 64.7671**, and **12.2759, 13.1325, 13.1971** is the 20% darker color. If you saturate the color by 10%, you get **27.9870, 30.8522, 26.5620**, and if you desaturate by 10%, it is **31.5605, 32.4143, 39.3853**.

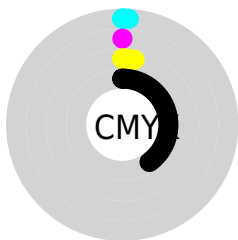
Distribution



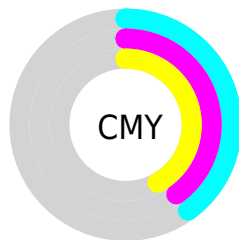
- Red (60%)
- Green (60%)
- Blue (58%)



- Red (58%)
- Yellow (60%)
- Blue (58%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (40%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6854, 31.5960, 32.5510 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 29.6854, 31.5960, 32.5510 by changing the saturation by 10% instead.

■ 29.6854, 31.5960,
32.5510

■ 29.6854, 31.5960,
32.5510

292.3715,
309.2748, 328.1914

■ 19.7468, 21.0531,
21.5144

■ 58.5544, 62.1772,
64.7818

■ 12.3183, 13.1628,
13.3056

■ 78.2154, 82.9843,
86.8131

■ 7.0346, 7.5408,
7.5062

101.8480,
107.9816, 113.3464

■ 3.5303, 3.8025,
3.6974

129.8175,
137.5535, 144.8002

■ 1.4400, 1.5637,
1.4609

162.4892,
172.0843, 181.5930

■ 0.2844, 0.3330,
0.1885

200.2286,

■ 0.0000, 0.0000,

211.9586, 224.1435

0.0000

243.4009,
257.5606, 272.8701

■ 29.6854, 31.5960,
32.5510

■ 29.6854, 31.5960,
32.5510

■ 27.9870, 30.8522,
26.5620

■ 31.5605, 32.4143,
39.3853

■ 26.4564, 30.1761,
21.3835

■ 33.6158, 33.3053,
47.0938

■ 25.0876, 29.5665,
16.9810

■ 35.8577, 34.2727,
55.7068

■ 23.8736, 29.0205,
13.3172

■ 38.2918, 35.3188,
65.2522

■ 22.8063, 28.5348,
10.3513

■ 40.9232, 36.4455,
75.7570

■ 21.8773, 28.1061,
8.0389

■ 43.7569, 37.6550,
87.2469

■ 21.0770, 27.7306,
6.3302

■ 46.7811, 38.9424,
99.6588

■ 20.3944, 27.4037,
5.1684

■ 47.4698, 39.2975,
99.6910

■ 19.8168, 27.1204,
4.4860

■ 48.1742, 39.6606,
99.7239

Harmonies

Analogous

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



30.0598, 31.5960, 32.3162



29.6854, 31.5960, 32.5510



29.4057, 31.5960, 33.2787

Triad

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



29.6854, 31.5960, 32.5510



29.6360, 31.5960, 36.2379



30.7810, 31.5960, 34.4851

Complementary

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



29.6854, 31.5960, 32.5510



28.7354, 29.8701, 34.3897

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.



30.6652, 31.5960, 35.5516



29.6854, 31.5960, 32.5510



30.0023, 31.5960, 36.5771

Square

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



29.6854, 31.5960, 32.5510



29.3773, 31.5960, 35.4060



30.3794, 31.5960, 36.3233



30.6944, 31.5960, 33.4185

Rectangle

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



29.6854, 31.5960, 32.5510



29.3094, 31.5960, 33.9536



30.3794, 31.5960, 36.3233



30.7644, 31.5960, 34.8556

Sweetspot

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



29.6863, 31.5974, 32.5517



53.8893, 56.9020, 60.9128



29.2307, 30.4062, 32.3458



11.9038, 12.5664, 13.4665



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



29.6863, 31.5974, 32.5517



52.9041, 56.4715, 57.3696



29.2235, 31.3588, 32.5300



6.7702, 7.2404, 7.2877



16.1130, 22.2824, 3.4517



0.2683, 0.3473, 0.0529

Inverse Universe

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



28.7354, 29.8701, 34.3897



50.7908, 52.6331, 61.4542



29.1962, 30.1077, 34.4112



6.4645, 6.6851, 7.8786



5.2343, 2.1494, 25.0467



0.1030, 0.0449, 0.3756

Previews

White Background



This preview shows how the XYZ color 29.6854, 31.5960, 32.5510 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 29.6854, 31.5960, 32.5510 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

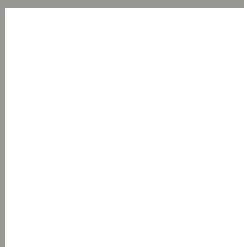
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6854, 31.5960, 32.5510

Background



This preview shows how black text looks on a background with the XYZ color 29.6854, 31.5960, 32.5510.



This preview shows how white text looks on a background with the XYZ color 29.6854, 31.5960,

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

29.6854, 31.5960, 32.5510

Protanopia

30.2050, 31.6310, 32.1172

Deuteranopia

32.0070, 31.3622, 32.8003



Tritanopia

31.0039, 31.6476, 39.1248

Trichromacy



Original Color

29.6854, 31.5960, 32.5510

Protanomaly

30.0123, 31.5316, 32.1082

Deuteranomaly

31.0726, 31.3462, 32.8465

Tritanomaly

30.5367, 31.6974, 36.8565

Monochromacy



Original Color

29.6854, 31.5960, 32.5510

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.7630, 31.3662, 33.7638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6854, 31.5960, 32.5510 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(152, 153, 148)` looks like.

```
.text, #text, p{  
    color:rgb(152, 153, 148)  
}
```

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(152, 153, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 153, 148) }
```

Border

The CSS property to change the border of an element to XYZ 29.6854, 31.5960, 32.5510 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(152, 153, 148) }
```


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

```
.border{ border-color:rgb(152, 153, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 153, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 153, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 153, 148);  
box-shadow:4px 4px 4px 4px rgb(152, 153,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6854, 31.5960, 32.5510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 153, 148) }
```

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

```
.background{ background-color: rgb(152,  
153, 148) }
```

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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