

Converting Colors

XYZ(28.5893, 31.1508, 25.9787)

Have a look what the booklet for
XYZ(28.5893, 31.1508, 25.9787)
contains.

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Color

**XYZ(28.6248, 31.1935,
25.9850)**

Conversions

Conversions Part 1

Format	Color
Hex	999983
RGB	153, 153, 131
RGB Percent	60%, 60%, 51%
CMY	0.4000, 0.4000, 0.4863
CMYK	0.00, 0.00, 0.14, 0.40
HSL	60°, 10%, 56%
HSV	60°, 14%, 60%
XYZ	28.6248, 31.1935, 25.9850
YIQ	150.4920, 7.0620, -6.8420

Conversions

Conversions Part 2

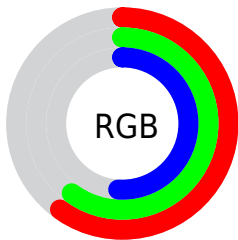
Format	Color
RYB	131, 153, 131
Decimal	10066307
CIELab	62.67, -3.95, 11.58
CIELCh	63, 12.238, 108.824
Yxy	31.1935, 0.3336, 0.3635
Android (android.graphics.Color)	4288256387 (0xFF999983)
YUV	150.4920, -9.6096, 2.1995
Hunter-Lab	55.8511, -6.2548, 11.5109

Details

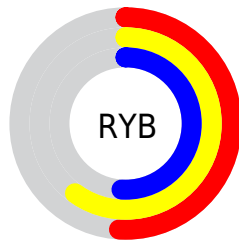
The XYZ color **28.6248, 31.1935, 25.9850** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.2275, 23.3587, 33.4232**, and the grayscale version is **29.2368, 30.7594, 33.4970**.

A 20% lighter version of the original color is **56.6967, 61.3517, 54.2012**, and **11.7539, 12.9367, 9.8602** is the 20% darker color. If you saturate the color by 10%, you get **27.6633, 30.8099, 20.9208**, and if you desaturate by 10%, it is **29.7411, 31.6411, 31.8572**.

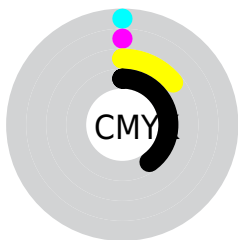
Distribution



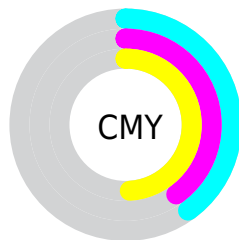
- Red (60%)
- Green (60%)
- Blue (51%)



- Red (51%)
- Yellow (60%)
- Blue (51%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (40%)



- Cyan (40%)
- Magenta (40%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6248, 31.1935, 25.9850 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 28.6248, 31.1935, 25.9850 by changing the saturation by 10% instead.

■ 28.6248, 31.1935,
25.9850

■ 28.6248, 31.1935,
25.9850

287.4668,
307.4288, 296.3116

■ 18.9400, 20.7462,
16.5868

■ 56.8821, 61.5446,
54.2345

■ 11.7307, 12.9386,
9.7815

■ 76.1854, 82.2172,
73.9229

■ 6.6315, 7.3863,
5.1506

■ 99.4255, 107.0671,
97.8784

■ 3.2770, 3.7048,
2.2756

126.9679,
136.4786, 126.5195

■ 1.3019, 1.5099,
0.7175

159.1778,
170.8361, 160.2649

■ 0.1846, 0.2957,
0.0000

196.4207,

■ 0.0000, 0.0000,

210.5240, 199.5330

0.0000

239.0619,
255.9268, 244.7424

■ 28.6248, 31.1935,
25.9850

■ 28.6248, 31.1935,
25.9850

■ 27.6633, 30.8099,
20.9208

■ 29.7411, 31.6411,
31.8572

■ 26.8475, 30.4835,
16.6274

■ 31.0161, 32.1512,
38.5684

■ 26.1709, 30.2128,
13.0675

■ 32.4565, 32.7274,
46.1504

■ 25.6259, 29.9947,
10.2002

■ 34.0678, 33.3720,
54.6330

■ 25.2038, 29.8259,
7.9804

■ 35.8556, 34.0871,
64.0443

■ 24.8952, 29.7023,
6.3578

■ 37.8248, 34.8749,
74.4114

■ 24.6890, 29.6198,
5.2746

■ 39.9804, 35.7372,
85.7600

■ 24.5717, 29.5728,
4.6600

■ 42.3272, 36.6760,
98.1151

■ 24.5243, 29.5538,
4.4119

■ 42.5835, 36.7786,
99.4623

Harmonies

Analogous

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



30.2750, 31.1935, 25.7205



28.6248, 31.1935, 25.9850



27.2975, 31.1935, 28.2643

Triad

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



28.6248, 31.1935, 25.9850



27.5849, 31.1935, 41.3644



32.9103, 31.1935, 35.7777

Complementary

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



28.6248, 31.1935, 25.9850



23.2275, 23.3587, 33.4232

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.



32.1308, 31.1935, 40.3835



28.6248, 31.1935, 25.9850



29.0306, 31.1935, 43.8049

Square

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



28.6248, 31.1935, 25.9850



26.7128, 31.1935, 37.0178



30.6963, 31.1935, 43.4300



32.7917, 31.1935, 31.0838

Rectangle

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



28.6248, 31.1935, 25.9850



26.7549, 31.1935, 30.7506



30.6963, 31.1935, 43.4300



32.7435, 31.1935, 37.3947

Sweetspot

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



28.6256, 31.1949, 25.9857



53.3245, 56.6882, 57.3893



25.3509, 24.6444, 24.8939



11.7413, 12.5040, 12.4970



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.



28.6256, 31.1949, 25.9857



50.7249, 55.6482, 43.7065



26.6445, 30.1736, 25.8930



6.7088, 7.2229, 6.6464



20.2678, 24.4243, 3.6461



0.3030, 0.3652, 0.0545

Inverse Universe

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



23.2275, 23.3587, 33.4232



39.3044, 39.0699, 59.4416



25.0224, 24.2840, 33.5072



5.8846, 6.0264, 7.7820



4.7524, 1.9010, 25.0242



0.0711, 0.0284, 0.3741

Previews

White Background



This preview shows how the XYZ color 28.6248, 31.1935, 25.9850 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 28.6248, 31.1935, 25.9850 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

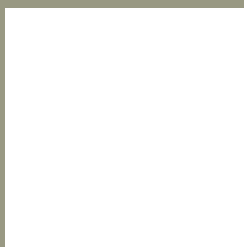
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6248, 31.1935, 25.9850

Background



This preview shows how black text looks on a background with the XYZ color 28.6248, 31.1935, 25.9850.



This preview shows how white text looks on a background with the XYZ color 28.6248, 31.1935,

25.9850.

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

28.6248, 31.1935, 25.9850

Protanopia

29.3939, 31.1159, 25.5758

Deuteranopia

31.6773, 31.1079, 26.1647



Tritanopia

31.0851, 31.2362, 38.1090

Trichromacy



Original Color

28.6248, 31.1935, 25.9850

Protanomaly

29.1621, 31.2363, 25.6113

Deuteranomaly

30.6382, 31.2678, 26.2503

Tritanomaly

30.1217, 31.0826, 33.2661

Monochromacy



Original Color

28.6248, 31.1935, 25.9850

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.7870, 30.6957, 30.3942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6248, 31.1935, 25.9850 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(153, 153, 131)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 131)  
}
```

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(153, 153, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 131) }
```

Border

The CSS property to change the border of an element to XYZ 28.6248, 31.1935, 25.9850 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(153, 153, 131) }
```


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

```
.border{ border-color:rgb(153, 153, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 131);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6248, 31.1935, 25.9850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 131) }
```

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

```
.background{ background-color: rgb(153,  
153, 131) }
```

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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