

Converting Colors

XYZ(29.8686, 31.1641, 31.6976)

Have a look what the booklet for
XYZ(29.8686, 31.1641, 31.6976)
contains.

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Color

**XYZ(29.9652, 31.2765,
31.6518)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9792
RGB	156, 151, 146
RGB Percent	61%, 59%, 57%
CMY	0.3882, 0.4078, 0.4274
CMYK	0.00, 0.03, 0.06, 0.39
HSL	30°, 5%, 59%
HSV	30°, 6%, 61%
XYZ	29.9652, 31.2765, 31.6518
YIQ	151.9250, 4.5850, -0.4950

Conversions

Conversions Part 2

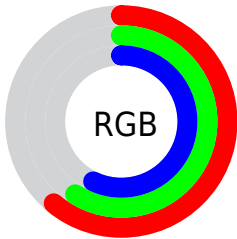
Format	Color
RYB	156, 156, 146
Decimal	10262418
CIELab	62.74, 0.90, 3.27
CIElCh	63, 3.394, 74.574
Yxy	31.2765, 0.3226, 0.3367
Android (android.graphics.Color)	4288452498 (0xFF9C9792)
YUV	151.9250, -2.9210, 3.5738
Hunter-Lab	55.9254, -2.2280, 5.5917

Details

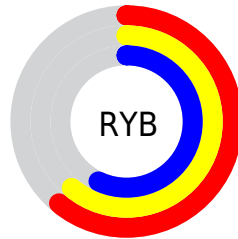
The XYZ color **29.9652, 31.2765, 31.6518** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.9213, 30.6439, 35.8433**, and the grayscale version is **29.8242, 31.3774, 34.1700**.

A 20% lighter version of the original color is **58.8350, 61.5344, 63.4200**, and **12.4942, 12.9621, 12.9098** is the 20% darker color. If you saturate the color by 10%, you get **27.6205, 28.3982, 25.2862**, and if you desaturate by 10%, it is **32.5602, 34.3897, 38.9186**.

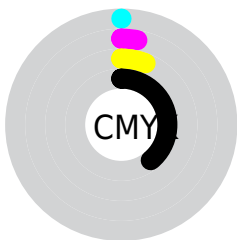
Distribution



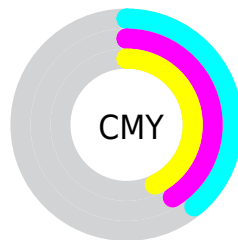
- Red (61%)
- Green (59%)
- Blue (57%)



- Red (61%)
- Yellow (61%)
- Blue (57%)



- Cyan (0%)
- Magenta (3%)
- Yellow (6%)
- Black (39%)



- Cyan (39%)
- Magenta (41%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9652, 31.2765, 31.6518 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 29.9652, 31.2765, 31.6518 by changing the saturation by 10% instead.

■ 29.9652, 31.2765,
31.6518

■ 29.9652, 31.2765,
31.6518

293.6549,
307.8101, 323.9737

■ 19.9601, 20.8095,
20.8331

■ 58.9941, 61.6751,
63.3564

■ 12.4741, 12.9848,
12.8120

■ 78.7487, 82.3755,
85.0793

■ 7.1419, 7.4181,
7.1700

102.4838,
107.2559, 111.2740

■ 3.5982, 3.7249,
3.4886

130.5648,
136.7005, 142.3591

■ 1.4774, 1.5209,
1.3492

163.3571,
171.0939, 178.7531

■ 0.3104, 0.3034,
0.1016

201.2260,

■ 0.0000, 0.0000,

210.8203, 220.8745

0.0000

244.5368,
256.2643, 269.1418

■ 29.9652, 31.2765,
31.6518

■ 29.9652, 31.2765,
31.6518

■ 27.6205, 28.3982,
25.2862

■ 32.5602, 34.3897,
38.9186

■ 25.5153, 25.7449,
19.7842

■ 35.4108, 37.7393,
47.1183

■ 23.6417, 23.3118,
15.1084

■ 38.5252, 41.3321,
56.2834

■ 21.9904, 21.0925,
11.2180

■ 41.9107, 45.1732,
66.4442

■ 20.5512, 19.0801,
8.0686

■ 45.5741, 49.2678,
77.6297

■ 19.3132, 17.2673,
5.6114

■ 49.5220, 53.6206,
89.8678

■ 18.2642, 15.6463,
3.7913

■ 53.7282, 58.2235,
103.0142

■ 17.3904, 14.2085,
2.5452

■ 55.6464, 62.0600,
103.6536

■ 16.6723, 12.9427,
1.7803

■ 57.6590, 66.0851,
104.3245

Harmonies

Analogous

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



30.3671, 31.2765, 32.2937



29.9652, 31.2765, 31.6518



29.5036, 31.2765, 31.6424

Triad

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



29.9652, 31.2765, 31.6518



28.8727, 31.2765, 34.7015



30.3576, 31.2765, 35.9066

Complementary

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



29.9652, 31.2765, 31.6518



28.9213, 30.6439, 35.8433

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.



29.9523, 31.2765, 36.5867



29.9652, 31.2765, 31.6518



29.0967, 31.2765, 35.8788

Square

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



29.9652, 31.2765, 31.6518



28.8760, 31.2765, 33.3800



29.4908, 31.2765, 36.5764



30.5953, 31.2765, 34.7386

Rectangle

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



29.9652, 31.2765, 31.6518



29.2242, 31.2765, 31.9950



29.4908, 31.2765, 36.5764



30.2363, 31.2765, 36.2012

Sweetspot

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



29.9661, 31.2779, 31.6525



56.4293, 59.2267, 63.0523



29.5755, 29.8605, 33.4834



12.4296, 13.0477, 13.9098



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



29.9661, 31.2779, 31.6525



53.6495, 55.8645, 55.3516



30.7874, 32.9204, 31.9262



6.8935, 7.1669, 7.0057



13.5748, 10.3852, 1.2891



0.2850, 0.2703, 0.0371

Inverse Universe

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



28.9213, 30.6439, 35.8433



51.2620, 54.4158, 64.9282



28.1341, 29.0696, 35.5809



6.5448, 6.9554, 8.4043



7.2186, 6.5288, 26.7870



0.1714, 0.2013, 0.4931

Previews

White Background



This preview shows how the XYZ color 29.9652, 31.2765, 31.6518 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 29.9652, 31.2765, 31.6518 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 29.9652, 31.2765, 31.6518

Background



This preview shows how black text looks on a background with the XYZ color 29.9652, 31.2765, 31.6518.



This preview shows how white text looks on a background with the XYZ color 29.9652, 31.2765,

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

29.9652, 31.2765, 31.6518

Protanopia

29.9652, 31.2765, 31.6518

Deuteranopia

31.8486, 31.2989, 31.9664



Tritanopia

31.2810, 31.3372, 38.1182

Trichromacy



Original Color

29.9652, 31.2765, 31.6518

Protanomaly

29.9652, 31.2765, 31.6518

Deuteranomaly

31.1662, 31.1789, 31.9793

Tritanomaly

30.8117, 31.3811, 35.8857

Monochromacy



Original Color

29.9652, 31.2765, 31.6518

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.8701, 31.4308, 33.3466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9652, 31.2765, 31.6518 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(156, 151, 146)` looks like.

```
.text, #text, p{  
    color:rgb(156, 151, 146)  
}
```

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(156, 151, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 151, 146) }
```

Border

The CSS property to change the border of an element to XYZ 29.9652, 31.2765, 31.6518 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(156, 151, 146) }
```


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

```
.border{ border-color:rgb(156, 151, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 151, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 151, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 151, 146);  
box-shadow:4px 4px 4px 4px rgb(156, 151,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9652, 31.2765, 31.6518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 151, 146) }
```

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

```
.background{ background-color: rgb(156,  
151, 146) }
```

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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