

Converting Colors

XYZ(27.4050, 31.3296, 16.5919)

Have a look what the booklet for
XYZ(27.4050, 31.3296, 16.5919)
contains.

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Color

**XYZ(27.3480, 31.2328,
16.6437)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9B64
RGB	154, 155, 100
RGB Percent	60%, 61%, 39%
CMY	0.3961, 0.3921, 0.6078
CMYK	0.01, 0.00, 0.35, 0.39
HSL	61°, 22%, 50%
HSV	61°, 35%, 61%
XYZ	27.3480, 31.2328, 16.6437
YIQ	148.4310, 17.0590, -17.3170

Conversions

Conversions Part 2

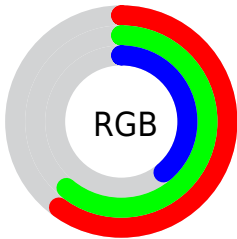
Format	Color
RYB	100, 155, 101
Decimal	10132324
CIELab	62.70, -9.15, 28.76
CIELCh	63, 30.180, 107.649
Yxy	31.2328, 0.3636, 0.4152
Android (android.graphics.Color)	4288322404 (0xFF9A9B64)
YUV	148.4310, -23.8765, 4.8840
Hunter-Lab	55.8863, -10.4520, 21.4631

Details

The XYZ color **27.3480, 31.2328, 16.6437** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.8415, 14.2484, 32.9274**, and the grayscale version is **28.4208, 29.9009, 32.5621**.

A 20% lighter version of the original color is **54.7625, 61.4232, 38.6753**, and **11.0496, 12.9733, 5.1705** is the 20% darker color. If you saturate the color by 10%, you get **26.6146, 30.9343, 13.0590**, and if you desaturate by 10%, it is **28.2259, 31.5913, 20.9816**.

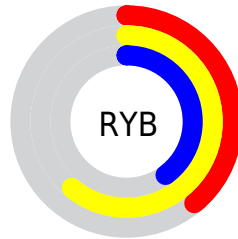
Distribution



Red (60%)

Green (61%)

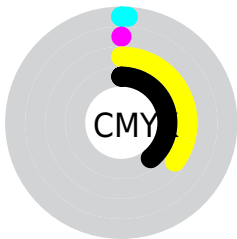
Blue (39%)



Red (39%)

Yellow (61%)

Blue (40%)

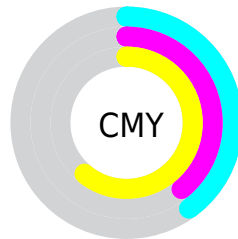


Cyan (1%)

Magenta (0%)

Yellow (35%)

Black (39%)



Cyan (40%)

Magenta (39%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3480, 31.2328, 16.6437 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 27.3480, 31.2328, 16.6437 by changing the saturation by 10% instead.

■ 27.3480, 31.2328,
16.6437

■ 27.3480, 31.2328,
16.6437

281.4751,
307.6094, 245.0847

■ 17.9727, 20.7762,
9.8215

■ 54.8577, 61.6064,
38.4944

■ 11.0300, 12.9605,
5.1767

■ 73.7229, 82.2922,
54.3599

■ 6.1544, 7.4014,
2.2908

■ 96.4820, 107.1565,
74.0771

■ 2.9808, 3.7143,
0.7260

■ 123.5005,
136.5837, 98.0643

■ 1.1436, 1.5151,
0.0000

155.1437,
170.9582, 126.7401

■ 0.0611, 0.2993,
0.0000

191.7770,

■ 0.0000, 0.0000,

210.6644, 160.5231

0.0000

233.7656,
256.0866, 199.8318

■ 27.3480, 31.2328,
16.6437

■ 27.3480, 31.2328,
16.6437

■ 26.6146, 30.9343,
13.0590

■ 28.2259, 31.5913,
20.9816

■ 26.0152, 30.6884,
10.1826

■ 29.2533, 32.0085,
26.1100

■ 25.5416, 30.4927,
7.9683

■ 30.4381, 32.4887,
32.0663

■ 25.1839, 30.3435,
6.3633

■ 31.7868, 33.0344,
38.8848

■ 24.9304, 30.2359,
5.3067

■ 33.3055, 33.6482,
46.5980

■ 24.7659, 30.1640,
4.7179

■ 35.0000, 34.3323,
55.2365

■ 24.7036, 30.1363,
4.5149

■ 36.8760, 35.0890,
64.8297

■ 38.9386, 35.9204,
75.4055

■ 41.1931, 36.8286,
86.9908

Harmonies

Analogous

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



31.4130, 31.2328, 16.3089



27.3480, 31.2328, 16.6437



24.2072, 31.2328, 20.8972

Triad

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



27.3480, 31.2328, 16.6437



24.6619, 31.2328, 53.6833



38.1174, 31.2328, 39.0953

Complementary

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



27.3480, 31.2328, 16.6437



15.8415, 14.2484, 32.9274

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.



35.9344, 31.2328, 51.6978



27.3480, 31.2328, 16.6437



28.0232, 31.2328, 61.3367

Square

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



27.3480, 31.2328, 16.6437



22.7579, 31.2328, 41.3608



32.1533, 31.2328, 60.5360



37.8939, 31.2328, 27.5814

Rectangle

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



27.3480, 31.2328, 16.6437



22.9446, 31.2328, 26.0877



32.1533, 31.2328, 60.5360



37.6329, 31.2328, 43.3864

Sweetspot

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



27.3488, 31.2342, 16.6444



53.2574, 57.6737, 51.1272



20.4644, 17.1806, 14.2946



11.9957, 13.0303, 11.2769



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.



27.3488, 31.2342, 16.6444



47.8606, 55.4785, 24.3533



22.7132, 28.8445, 16.4274



6.6978, 7.2172, 6.6459



19.8446, 24.2062, 3.6263



0.2997, 0.3634, 0.0544

Inverse Universe

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



15.8415, 14.2484, 32.9274



23.9634, 20.2012, 58.1725



19.4394, 16.1031, 33.0958



5.8944, 6.0314, 7.7825



4.7841, 1.9174, 25.0256



0.0740, 0.0299, 0.3742

Previews

White Background



This preview shows how the XYZ color 27.3480, 31.2328, 16.6437 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 27.3480, 31.2328, 16.6437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

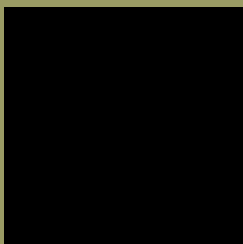
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

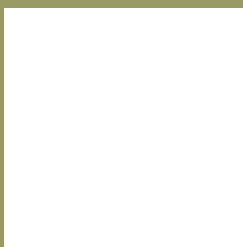
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.3480, 31.2328, 16.6437

Background



This preview shows how black text looks on a background with the XYZ color 27.3480, 31.2328, 16.6437.



This preview shows how white text looks on a background with the XYZ color 27.3480, 31.2328,

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

27.3480, 31.2328, 16.6437

Protanopia

28.9974, 31.3567, 16.3285

Deuteranopia

31.5797, 31.0339, 16.8961



Tritanopia

31.5459, 31.2601, 37.1720

Trichromacy



Original Color

27.3480, 31.2328, 16.6437

Protanomaly

28.3413, 31.2604, 16.3445

Deuteranomaly

29.8910, 31.0924, 16.7379

Tritanomaly

29.7546, 31.2373, 28.5059

Monochromacy



Original Color

27.3480, 31.2328, 16.6437

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.7410, 30.2559, 25.8506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3480, 31.2328, 16.6437 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(154, 155, 100)` looks like.

```
.text, #text, p{  
    color:rgb(154, 155, 100)  
}
```

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(154, 155, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 155, 100) }
```

Border

The CSS property to change the border of an element to XYZ 27.3480, 31.2328, 16.6437 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(154, 155, 100) }
```


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

```
.border{ border-color:rgb(154, 155, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 155, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 155, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 155, 100);  
box-shadow:4px 4px 4px 4px rgb(154, 155,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3480, 31.2328, 16.6437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 155, 100) }
```

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

```
.background{ background-color: rgb(154,  
155, 100) }
```

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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