

Converting Colors

XYZ(29.3052, 31.9722, 18.5368)

Have a look what the booklet for
XYZ(29.3052, 31.9722, 18.5368)
contains.

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Color

**XYZ(29.3137, 31.9593,
18.5337)**

Conversions

Conversions Part 1

Format	Color
Hex	A39A6B
RGB	163, 154, 107
RGB Percent	64%, 60%, 42%
CMY	0.3608, 0.3961, 0.5804
CMYK	0.00, 0.06, 0.34, 0.36
HSL	50°, 23%, 53%
HSV	50°, 34%, 64%
XYZ	29.3137, 31.9593, 18.5337
YIQ	151.3330, 20.4510, -12.7090

Conversions

Conversions Part 2

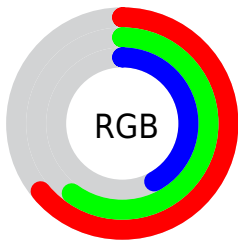
Format	Color
RYB	118, 163, 107
Decimal	10721899
CIELab	63.31, -4.03, 25.90
CIElCh	63, 26.212, 98.852
Yxy	31.9593, 0.3673, 0.4005
Android (android.graphics.Color)	4288911979 (0xFFA39A6B)
YUV	151.3330, -21.8562, 10.2320
Hunter-Lab	56.5326, -6.3748, 20.1351

Details

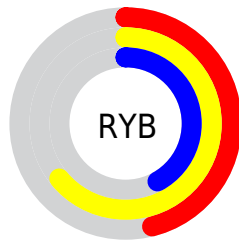
The XYZ color **29.3137, 31.9593, 18.5337** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.9195, 18.2604, 37.1777**, and the grayscale version is **29.6435, 31.1872, 33.9629**.

A 20% lighter version of the original color is **58.0273, 62.6750, 41.8400**, and **12.0701, 13.3313, 6.0747** is the 20% darker color. If you saturate the color by 10%, you get **28.1086, 30.7944, 14.2926**, and if you desaturate by 10%, it is **30.6916, 33.2107, 23.6307**.

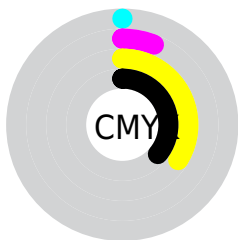
Distribution



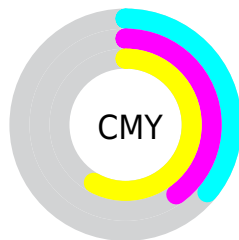
- Red (64%)
- Green (60%)
- Blue (42%)



- Red (46%)
- Yellow (64%)
- Blue (42%)



- Cyan (0%)
- Magenta (6%)
- Yellow (34%)
- Black (36%)



- Cyan (36%)
- Magenta (40%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3137, 31.9593, 18.5337 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 29.3137, 31.9593, 18.5337 by changing the saturation by 10% instead.

■ 29.3137, 31.9593,
18.5337

■ 29.3137, 31.9593,
18.5337

290.6598,
310.9338, 256.1987

■ 19.4637, 21.3304,
11.1604

■ 57.9692, 62.7473,
41.7708

■ 12.1118, 13.3657,
6.0593

■ 77.5055, 83.6752,
58.4717

■ 6.8926, 7.6809,
2.8118

■ 101.0013,
108.8048, 79.1190

■ 3.4408, 3.8914,
0.9994

■ 128.8219,
138.5207, 104.1311

■ 1.3909, 1.6130,
0.0000

161.3327,
173.2071, 133.9265

■ 0.2497, 0.3664,
0.0000

198.8990,

■ 0.0000, 0.0000,

213.2485, 168.9239

0.0000

241.8863,
259.0293, 209.5418

■ 29.3137, 31.9593,
18.5337

■ 29.3137, 31.9593,
18.5337

■ 28.1086, 30.7944,
14.2926

■ 30.6916, 33.2107,
23.6307

■ 27.0646, 29.7078,
10.8575

■ 32.2482, 34.5476,
29.6259

■ 26.1725, 28.6968,
8.1762

■ 33.9923, 35.9747,
36.5611

■ 25.4210, 27.7569,
6.1897

■ 35.9312, 37.4952,
44.4748

■ 24.7971, 26.8828,
4.8303

■ 38.0719, 39.1119,
53.4037

■ 24.2854, 26.0681,
4.0159

■ 40.4211, 40.8274,
63.3822

■ 24.0237, 25.6255,
3.6800

■ 42.9850, 42.6445,
74.4433

■ 45.7697, 44.5656,
86.6184

■ 48.7809, 46.5932,
99.9379

Harmonies

Analogous

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



32.9676, 31.9593, 19.2722



29.3137, 31.9593, 18.5337



26.2004, 31.9593, 21.4245

Triad

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



29.3137, 31.9593, 18.5337



25.2532, 31.9593, 48.9220



37.3704, 31.9593, 42.5287

Complementary

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



29.3137, 31.9593, 18.5337



18.9195, 18.2604, 37.1777

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.



34.9740, 31.9593, 52.8249



29.3137, 31.9593, 18.5337



27.9245, 31.9593, 56.9979

Square

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



29.3137, 31.9593, 18.5337



23.9820, 31.9593, 37.9695



31.4644, 31.9593, 58.5533



37.8169, 31.9593, 31.8086

Rectangle

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



29.3137, 31.9593, 18.5337



24.7800, 31.9593, 25.4397



31.4644, 31.9593, 58.5533



36.7575, 31.9593, 46.2095

Sweetspot

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



29.3145, 31.9608, 18.5344



59.0149, 62.9178, 58.0275



23.5340, 19.5710, 19.1625



13.1622, 14.0550, 12.6673



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.3145, 31.9608, 18.5344



50.8721, 55.6784, 27.4254



27.3111, 33.2153, 18.8821



7.5521, 8.0426, 7.5344



18.6985, 19.9709, 2.8693



0.4172, 0.4683, 0.0684

Inverse Universe

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



18.9195, 18.2604, 37.1777



29.4841, 27.4975, 65.8097



20.4240, 17.5705, 36.9653



6.7881, 7.0353, 8.9032



5.4512, 2.6819, 27.1601



0.1391, 0.1054, 0.5789

Previews

White Background



This preview shows how the XYZ color 29.3137, 31.9593, 18.5337 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 29.3137, 31.9593, 18.5337 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

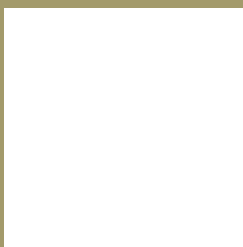
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3137, 31.9593, 18.5337

Background



This preview shows how black text looks on a background with the XYZ color 29.3137, 31.9593, 18.5337.



This preview shows how white text looks on a background with the XYZ color 29.3137, 31.9593,

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

29.3137, 31.9593, 18.5337

Protanopia

29.7710, 31.9510, 18.5080

Deuteranopia

32.4854, 31.9166, 18.9164



Tritanopia

33.0539, 31.8057, 37.1979

Trichromacy



Original Color

29.3137, 31.9593, 18.5337

Protanomaly

29.5621, 31.8433, 18.4982

Deuteranomaly

31.2923, 32.0094, 18.7165

Tritanomaly

31.5763, 31.9216, 29.3082

Monochromacy



Original Color

29.3137, 31.9593, 18.5337

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1190, 31.1743, 27.4042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3137, 31.9593, 18.5337 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(163, 154, 107)` looks like.

```
.text, #text, p{  
    color:rgb(163, 154, 107)  
}
```

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(163, 154, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 154, 107) }
```

Border

The CSS property to change the border of an element to XYZ 29.3137, 31.9593, 18.5337 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(163, 154, 107) }
```


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

```
.border{ border-color:rgb(163, 154, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 154, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 154, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 154, 107);  
box-shadow:4px 4px 4px 4px rgb(163, 154,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3137, 31.9593, 18.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 154, 107) }
```

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

```
.background{ background-color: rgb(163,  
154, 107) }
```

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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