

Converting Colors

XYZ(29.3284, 37.8846, 18.5991)

Have a look what the booklet for
XYZ(29.3284, 37.8846, 18.5991)
contains.

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Color

**XYZ(29.3012, 37.8696,
18.5972)**

Conversions

Conversions Part 1

Format	Color
Hex	8FB067
RGB	143, 176, 103
RGB Percent	56%, 69%, 40%
CMY	0.4392, 0.3098, 0.5961
CMYK	0.19, 0.00, 0.41, 0.31
HSL	87°, 32%, 55%
HSV	87°, 41%, 69%
XYZ	29.3012, 37.8696, 18.5972
YIQ	157.8110, 3.7650, -29.6990

Conversions

Conversions Part 2

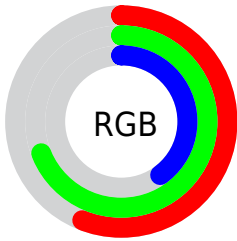
Format	Color
RYB	103, 176, 136
Decimal	9416807
CIELab	67.92, -23.97, 33.73
CIElCh	68, 41.383, 125.404
Yxy	37.8696, 0.3416, 0.4415
Android (android.graphics.Color)	4287606887 (0xFF8FB067)
YUV	157.8110, -27.0218, -12.9892
Hunter-Lab	61.5383, -22.6999, 25.1590

Details

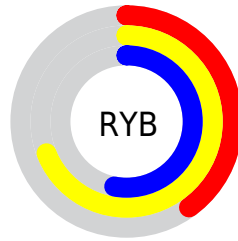
The XYZ color **29.3012, 37.8696, 18.5972** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.8417, 18.0704, 43.3605**, and the grayscale version is **32.5319, 34.2261, 37.2723**.

A 20% lighter version of the original color is **58.0617, 72.0855, 41.8641**, and **12.0632, 16.6564, 6.0692** is the 20% darker color. If you saturate the color by 10%, you get **27.1804, 36.8690, 14.3621**, and if you desaturate by 10%, it is **31.7076, 38.9983, 23.8179**.

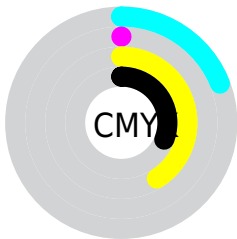
Distribution



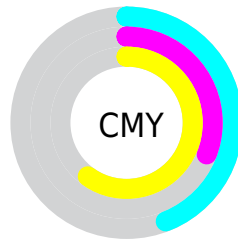
- Red (56%)
- Green (69%)
- Blue (40%)



- Red (40%)
- Yellow (69%)
- Blue (53%)



- Cyan (19%)
- Magenta (0%)
- Yellow (41%)
- Black (31%)



- Cyan (44%)
- Magenta (31%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3012, 37.8696, 18.5972 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 29.3012, 37.8696, 18.5972 by changing the saturation by 10% instead.

■ 29.3012, 37.8696,
18.5972

■ 29.3012, 37.8696,
18.5972

290.6021,
337.0603, 256.5642

■ 19.4542, 25.8815,
11.2057

■ 57.9495, 71.9082,
41.8799

■ 12.1049, 16.7350,
6.0895

■ 77.4816, 94.7275,
58.6083

■ 6.8879, 10.0457,
2.8299

■ 100.9728,
121.9260, 79.2860

■ 3.4378, 5.4293,
1.0084

■ 128.7883,
153.8881, 104.3316

■ 1.3893, 2.5013,
0.0000

161.2937,
190.9982, 134.1637

■ 0.2486, 0.8773,
0.0000

198.8542,

■ 0.0000, 0.0000,

233.6407, 169.2008

0.0000

241.8352,
282.1999, 209.8615

■ 29.3012, 37.8696,
18.5972

■ 29.3012, 37.8696,
18.5972

■ 27.1804, 36.8690,
14.3621

■ 31.7076, 38.9983,
23.8179

■ 25.3287, 35.9859,
11.0481

■ 34.4094, 40.2553,
30.0784

■ 23.7316, 35.2154,
8.5868


■ 37.4195, 41.6474,
37.4318

■ 22.3723, 34.5505,
6.8995


■ 40.7488, 43.1792,
45.9270


■ 21.2305, 33.9831,
5.8924

■ 44.4081, 44.8551,
55.6100

 20.3957, 33.5626,
5.4033

 48.4071, 46.6792,
66.5239

 52.7554, 48.6557,
78.7101

 57.4621, 50.7882,
92.2077

 61.4873, 52.6610,
101.5316

Harmonies

Analogous

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



34.8430, 37.8696, 15.0893



29.3012, 37.8696, 18.5972



25.8897, 37.8696, 28.1920

Triad

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



29.3012, 37.8696, 18.5972



31.0934, 37.8696, 82.4917



49.7457, 37.8696, 37.9906

Complementary

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



29.3012, 37.8696, 18.5972



22.8417, 18.0704, 43.3605

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.



48.4349, 37.8696, 57.7807



29.3012, 37.8696, 18.5972



37.1699, 37.8696, 87.4342

Square

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



29.3012, 37.8696, 18.5972



26.8349, 37.8696, 65.3128



43.6352, 37.8696, 77.3139



47.0307, 37.8696, 23.9461

Rectangle

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



29.3012, 37.8696, 18.5972



25.0314, 37.8696, 38.4633



43.6352, 37.8696, 77.3139



49.7646, 37.8696, 44.1338

Sweetspot

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



29.3021, 37.8713, 18.5980



67.4437, 75.3374, 66.8392



29.1372, 27.7769, 16.6583



14.4615, 16.2554, 14.1010



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.3021, 37.8713, 18.5980



49.5114, 66.9681, 26.4609



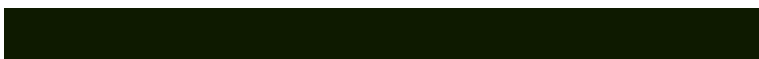
23.9961, 35.1359, 18.3497



8.8191, 9.7118, 9.0623



15.0321, 24.6594, 3.9675



0.5391, 0.8100, 0.1279

Inverse Universe

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



22.8417, 18.0704, 43.3605



36.1730, 26.0647, 77.6198



29.7784, 21.6464, 43.6851



8.3947, 8.4120, 10.6876



8.2162, 3.5714, 30.3933



0.3260, 0.1472, 0.9595

Previews

White Background



This preview shows how the XYZ color 29.3012, 37.8696, 18.5972 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 29.3012, 37.8696, 18.5972 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 29.3012, 37.8696, 18.5972

Background



This preview shows how black text looks on a background with the XYZ color 29.3012, 37.8696, 18.5972.



This preview shows how white text looks on a background with the XYZ color 29.3012, 37.8696,

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

29.3012, 37.8696, 18.5972

Protanopia

34.7633, 37.6349, 17.2364

Deuteranopia

38.4339, 37.6574, 19.1528



Tritanopia

35.3834, 37.8027, 48.6118

Trichromacy



Original Color

29.3012, 37.8696, 18.5972

Protanomaly

32.4246, 37.5115, 17.5881

Deuteranomaly

34.6471, 37.5346, 19.0545

Tritanomaly

32.6199, 37.5005, 35.2248

Monochromacy



Original Color

29.3012, 37.8696, 18.5972

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.1794, 35.5175, 29.2570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3012, 37.8696, 18.5972 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(143, 176, 103)` looks like.

```
.text, #text, p{  
    color:rgb(143, 176, 103)  
}
```

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(143, 176, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 176, 103) }
```

Border

The CSS property to change the border of an element to XYZ 29.3012, 37.8696, 18.5972 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(143, 176, 103) }
```


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

```
.border{ border-color:rgb(143, 176, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 176, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 176, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 176, 103);  
box-shadow:4px 4px 4px 4px rgb(143, 176,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3012, 37.8696, 18.5972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 176, 103) }
```

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

```
.background{ background-color: rgb(143,  
176, 103) }
```

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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