

Converting Colors

XYZ(2.8787, 3.0984, 3.7246)

Have a look what the booklet for
XYZ(2.8787, 3.0984, 3.7246)
contains.

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Color

XYZ(2.8871, 3.1100, 3.6969)

Conversions

Conversions Part 1

Format	Color
Hex	2E3234
RGB	46, 50, 52
RGB Percent	18%, 20%, 20%
CMY	0.8196, 0.8039, 0.7961
CMYK	0.12, 0.04, 0.00, 0.80
HSL	200°, 6%, 19%
HSV	200°, 12%, 20%
XYZ	2.8871, 3.1100, 3.6969
YIQ	49.0320, -3.0260, -0.2260

Conversions

Conversions Part 2

Format	Color
R_{YB}	46, 48, 52
Decimal	3027508
CIE _{Lab}	20.48, -1.23, -1.87
CIE _{LCh}	20, 2.236, 236.613
Yxy	3.1100, 0.2978, 0.3208
Android (android.graphics.Color)	4281217588 (0xFF2E3234)
YUV	49.0320, 1.4632, -2.6591
Hunter-Lab	17.6352, -1.6389, -0.0844

Details

The XYZ color **2.8871, 3.1100, 3.6969** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2.9661, 3.0410, 3.0153**, and the grayscale version is **2.9216, 3.0738, 3.3474**.

A 20% lighter version of the original color is **10.8011, 11.5229, 13.2101**, and **0.0654, 0.0783, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **2.5943, 2.8513, 3.6625**, and if you desaturate by 10%, it is **3.2112, 3.3892, 3.7337**.

Distribution



- Red (18%)
- Green (20%)
- Blue (20%)



- Red (18%)
- Yellow (19%)
- Blue (20%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (80%)



- Cyan (82%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 2.8871, 3.1100, 3.6969 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 2.8871, 3.1100, 3.6969 by changing the saturation by 10% instead.

■ 2.8871, 3.1100,
3.6969

■ 2.8871, 3.1100,
3.6969

■ 122.3706,
129.6233, 144.7944

■ 1.0943, 1.1894,
1.4606

■ 10.8050, 11.5423,
13.3045

■ 0.0204, 0.0530,
0.1883

■ 17.6609, 18.8227,
21.5128

■ 0.0000, 0.0000,
0.0000

■ 26.9352, 28.6586,
32.5489

■ 38.9933, 41.4343,
46.8312

■ 54.2006, 57.5343,
64.7784

■ 72.9223, 77.3428,

86.8090

95.5238, 101.2443,
113.3414

■ 2.8871, 3.1100,
3.6969

■ 2.8871, 3.1100,
3.6969

■ 2.5943, 2.8513,
3.6625

■ 3.2112, 3.3892,
3.7337

■ 2.3317, 2.6122,
3.6301

■ 3.5675, 3.6890,
3.7728

■ 2.0981, 2.3922,
3.6000

■ 3.9569, 4.0102,
3.8143

■ 1.8923, 2.1905,
3.5719

■ 4.3804, 4.3532,
3.8582

■ 1.7132, 2.0065,
3.5458

■ 4.8387, 4.7186,
3.9046

■ 1.5594, 1.8395,
3.5217

■ 5.3328, 5.1067,
3.9535

■ 1.4294, 1.6886,
3.4994

■ 5.8635, 5.5182,
4.0049

■ 1.3104, 1.5473,
3.4784

■ 6.4316, 5.9533,
4.0589

■ 1.2117, 1.4317,
3.4613

■ 7.0377, 6.4126,
4.1157

Harmonies

Analogous

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



2.8446, 3.1100, 3.5507



2.8871, 3.1100, 3.6969



2.9485, 3.1100, 3.7598

Triad

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



2.8871, 3.1100, 3.6969



3.0837, 3.1100, 3.4076



2.8998, 3.1100, 3.0735

Complementary

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



2.8871, 3.1100, 3.6969



2.9661, 3.0410, 3.0153

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.



2.9634, 3.1100, 3.0383



2.8871, 3.1100, 3.6969



3.0702, 3.1100, 3.2270

Square

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



2.8871, 3.1100, 3.6969



3.0625, 3.1100, 3.5889



3.0259, 3.1100, 3.0935



2.8519, 3.1100, 3.1914

Rectangle

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



2.8871, 3.1100, 3.6969



2.9922, 3.1100, 3.7443



3.0259, 3.1100, 3.0935



2.9200, 3.1100, 3.0518

Sweetspot

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



2.8872, 3.1101, 3.6970



5.4465, 5.7674, 6.4320



2.8861, 3.2494, 3.2605



1.5902, 1.6856, 1.8867



34.9068, 36.7246, 39.9931



1.6528, 1.7389, 1.8937

Same Dimension

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



2.8872, 3.1101, 3.6970



4.8130, 5.2187, 6.3595



2.7670, 2.8697, 3.6569



0.8733, 0.9344, 1.0826



3.4053, 3.9087, 10.0813



22.5539, 25.1208, 69.1354

Inverse Universe

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



2.9689, 2.9143, 3.4239



4.9913, 4.7985, 5.7620



3.0888, 3.2862, 3.0562



0.8905, 0.8926, 1.0254



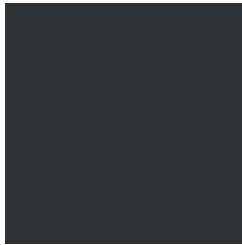
4.9472, 2.4576, 4.4244



33.6198, 16.7450, 28.0805

Previews

White Background



This preview shows how the XYZ color 2.8871, 3.1100, 3.6969 looks on a white background.

Color Contrast Check

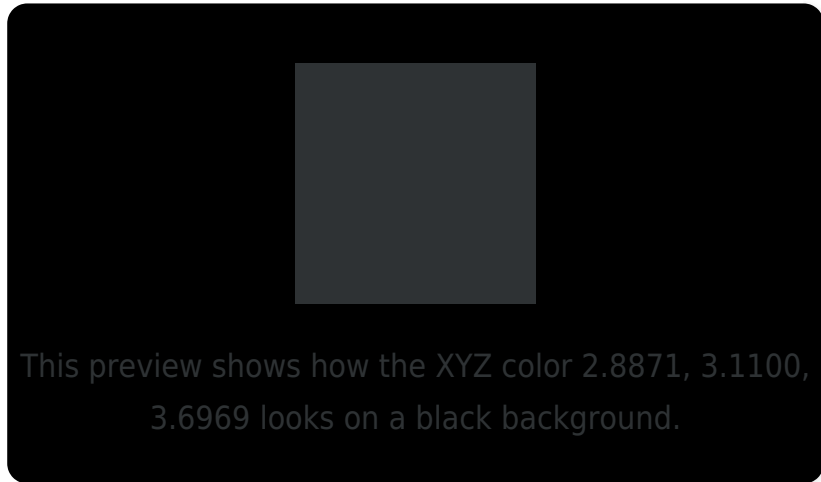
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

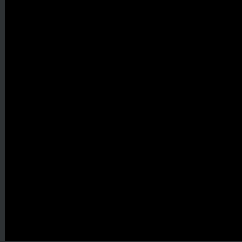
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

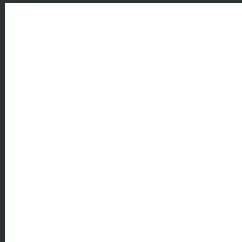
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 2.8871, 3.1100, 3.6969

Background



This preview shows how black text looks on a background with the XYZ color 2.8871, 3.1100, 3.6969.

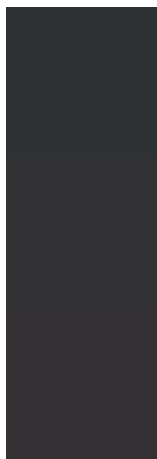


This preview shows how white text looks on a background with the XYZ color 2.8871, 3.1100, 3.6969.

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

2.8871, 3.1100, 3.6969

Protanopia

3.0112, 3.1138, 3.5743

Deuteranopia

3.1450, 3.1187, 3.6850



Tritanopia

2.9332, 3.1284, 3.9393

Trichromacy



Original Color

2.8871, 3.1100, 3.6969

Protanomaly

2.9625, 3.0886, 3.5720

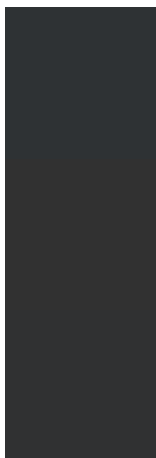
Deuteranomaly

3.0335, 3.1227, 3.6917

Tritanomaly

2.9099, 3.1191, 3.8168

Monochromacy



Original Color

2.8871, 3.1100, 3.6969

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

2.8930, 3.0553, 3.4549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 2.8871, 3.1100, 3.6969 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(46, 50, 52) looks like.

```
.text, #text, p{  
    color:rgb(46, 50, 52)  
}
```

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(46, 50, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 50, 52) }
```

Border

The CSS property to change the border of an element to XYZ 2.8871, 3.1100, 3.6969 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(46, 50, 52) }
```

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

```
.border{ border-color:rgb(46, 50, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 50, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 50, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 50, 52);  
box-shadow:4px 4px 4px 4px rgb(46, 50, 52)  
}
```


Background

The CSS property to change the background color of an element to XYZ 2.8871, 3.1100, 3.6969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 50, 52) }
```

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

```
.background{ background-color: rgb(46, 50,  
52) }
```

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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