

Converting Colors

XYZ(27.6985, 36.2309, 21.1805)

Have a look what the booklet for
XYZ(27.6985, 36.2309, 21.1805)
contains.

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Color

**XYZ(27.5971, 36.0659,
21.1297)**

Conversions

Conversions Part 1

Format	Color
Hex	85AD71
RGB	133, 173, 113
RGB Percent	52%, 68%, 44%
CMY	0.4784, 0.3216, 0.5569
CMYK	0.23, 0.00, 0.35, 0.32
HSL	100°, 27%, 56%
HSV	100°, 35%, 68%
XYZ	27.5971, 36.0659, 21.1297
YIQ	154.2000, -4.5800, -27.1400

Conversions

Conversions Part 2

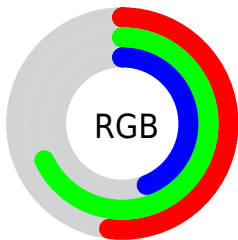
Format	Color
RYB	113, 173, 153
Decimal	8760689
CIELab	66.57, -24.82, 26.57
CIELCh	67, 36.358, 133.045
Yxy	36.0659, 0.3255, 0.4253
Android (android.graphics.Color)	4286950769 (0xFF85AD71)
YUV	154.2000, -20.3116, -18.5924
Hunter-Lab	60.0549, -23.0697, 21.1778

Details

The XYZ color **27.5971, 36.0659, 21.1297** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.5863, 21.6007, 42.3051**, and the grayscale version is **30.8917, 32.5005, 35.3930**.

A 20% lighter version of the original color is **55.3044, 69.3200, 46.0626**, and **11.1216, 15.5969, 7.2748** is the 20% darker color. If you saturate the color by 10%, you get **24.9926, 34.8263, 16.3993**, and if you desaturate by 10%, it is **30.5891, 37.4860, 26.8489**.

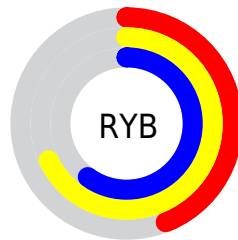
Distribution



Red (52%)

Green (68%)

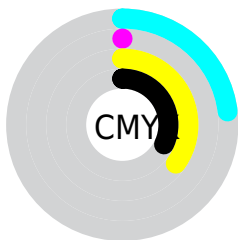
Blue (44%)



Red (44%)

Yellow (68%)

Blue (60%)

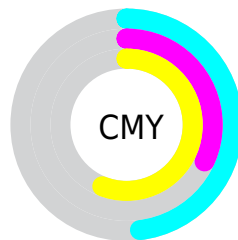


Cyan (23%)

Magenta (0%)

Yellow (35%)

Black (32%)



Cyan (48%)

Magenta (32%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5971, 36.0659, 21.1297 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 27.5971, 36.0659, 21.1297 by changing the saturation by 10% instead.

■ 27.5971, 36.0659,
21.1297

■ 27.5971, 36.0659,
21.1297

282.6518,
329.2485, 270.7706

■ 18.1611, 24.4851,
13.0267

■ 55.2537, 69.1338,
46.1869

■ 11.1661, 15.6939,
7.3160

■ 74.2050, 91.3896,
63.9781

■ 6.2468, 9.3078,
3.5791

■ 97.0587, 117.9726,
85.8358

■ 3.0378, 4.9425,
1.3974

■ 124.1803,
149.2671, 112.1786

■ 1.1738, 2.2135,
0.1397

155.9350,
185.6576, 143.4249

■ 0.0855, 0.7274,
0.0000

192.6883,

■ 0.0000, 0.0000,

227.5284, 179.9933

0.0000

234.8054,
275.2639, 222.3024

■ 27.5971, 36.0659,
21.1297

■ 27.5971, 36.0659,
21.1297

■ 24.9926, 34.8263,
16.3993

■ 30.5891, 37.4860,
26.8489

■ 22.7559, 33.7551,
12.5994

■ 33.9818, 39.0889,
33.6062

■ 20.8694, 32.8455,
9.6690


■ 37.7910, 40.8829,
41.4504


■ 19.3130, 32.0886,
7.5391


■ 42.0309, 42.8744,
50.4266


■ 18.0639, 31.4746,
6.1300

■ 46.7149, 45.0693,
60.5771


 17.0958, 30.9919,
5.3452

 51.8558, 47.4733,
71.9423

 16.6697, 30.7780,
5.0622

 57.4660, 50.0920,
84.5605

 63.5573, 52.9306,
98.4685

 67.8550, 55.0799,
101.6629

Harmonies

Analogous

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



31.9626, 36.0659, 16.6463



27.5971, 36.0659, 21.1297



25.1805, 36.0659, 31.1325

Triad

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



27.5971, 36.0659, 21.1297



31.3062, 36.0659, 75.6525



45.5665, 36.0659, 32.8626

Complementary

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



27.5971, 36.0659, 21.1297



26.5863, 21.6007, 42.3051

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.



45.3426, 36.0659, 48.7138



27.5971, 36.0659, 21.1297



36.7059, 36.0659, 76.4783

Square

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



27.5971, 36.0659, 21.1297



27.1607, 36.0659, 63.5945



41.9620, 36.0659, 65.6179



42.5449, 36.0659, 22.1049

Rectangle

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



27.5971, 36.0659, 21.1297



24.8225, 36.0659, 40.8894



41.9620, 36.0659, 65.6179



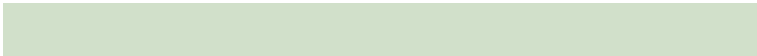
45.8771, 36.0659, 37.6932

Sweetspot

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



27.5980, 36.0675, 21.1305



63.8382, 71.4084, 66.2709



31.6069, 32.8604, 20.3002



13.6750, 15.4251, 13.9949



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.5980, 36.0675, 21.1305



45.6149, 62.7783, 30.8859



25.3299, 34.8295, 24.1273



8.1466, 9.0642, 8.5336



12.3009, 22.6384, 3.7213



0.4012, 0.6602, 0.1063

Inverse Universe

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



26.5863, 21.6007, 42.3051



43.5006, 32.7450, 74.8334



29.7509, 23.3398, 37.5889



8.0738, 8.0123, 10.0737



10.8306, 4.9432, 29.4278



0.3561, 0.1658, 0.8212

Previews

White Background



This preview shows how the XYZ color 27.5971, 36.0659, 21.1297 looks on a white background.

Color Contrast Check

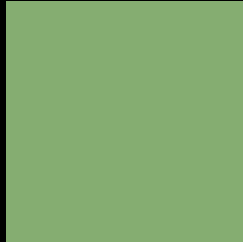
Large Text (above 18pt) WCAG AA × Fail

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 27.5971, 36.0659, 21.1297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

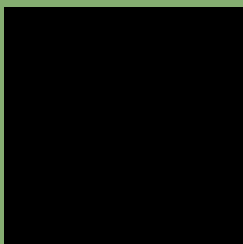
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.5971, 36.0659, 21.1297

Background



This preview shows how black text looks on a background with the XYZ color 27.5971, 36.0659, 21.1297.



This preview shows how white text looks on a background with the XYZ color 27.5971, 36.0659,

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

27.5971, 36.0659, 21.1297

Protanopia

33.1308, 35.6864, 19.3293

Deuteranopia

36.4181, 35.8034, 21.8209



Tritanopia

32.8187, 35.9643, 47.3315

Trichromacy



Original Color

27.5971, 36.0659, 21.1297

Protanomaly

30.7668, 35.5096, 19.9843

Deuteranomaly

32.6503, 35.6477, 21.6828

Tritanomaly

30.4828, 35.8273, 35.8806

Monochromacy



Original Color

27.5971, 36.0659, 21.1297

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.2591, 33.4648, 29.3433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5971, 36.0659, 21.1297 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(133, 173, 113)` looks like.

```
.text, #text, p{  
    color:rgb(133, 173, 113)  
}
```

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(133, 173, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 173, 113) }
```

Border

The CSS property to change the border of an element to XYZ 27.5971, 36.0659, 21.1297 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(133, 173, 113) }
```


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

```
.border{ border-color:rgb(133, 173, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 173, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 173, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 173, 113);  
box-shadow:4px 4px 4px 4px rgb(133, 173,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5971, 36.0659, 21.1297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 173, 113) }
```

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

```
.background{ background-color: rgb(133,  
173, 113) }
```

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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