

Converting Colors

XYZ(29.1931, 36.3240, 27.9334)

Have a look what the booklet for
XYZ(29.1931, 36.3240, 27.9334)
contains.

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Color

**XYZ(29.3721, 36.5446,
28.0600)**

Conversions

Conversions Part 1

Format	Color
Hex	89AC86
RGB	137, 172, 134
RGB Percent	54%, 67%, 53%
CMY	0.4627, 0.3255, 0.4745
CMYK	0.20, 0.00, 0.22, 0.33
HSL	115°, 19%, 60%
HSV	115°, 22%, 67%
XYZ	29.3721, 36.5446, 28.0600
YIQ	157.2030, -8.6620, -19.2380

Conversions

Conversions Part 2

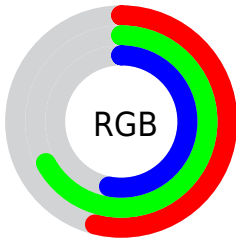
Format	Color
RYB	134, 172, 169
Decimal	9022598
CIELab	66.93, -19.43, 15.72
CIELCh	67, 24.993, 141.038
Yxy	36.5446, 0.3125, 0.3889
Android (android.graphics.Color)	4287212678 (0xFF89AC86)
YUV	157.2030, -11.4391, -17.7180
Hunter-Lab	60.4521, -19.0628, 14.7959

Details

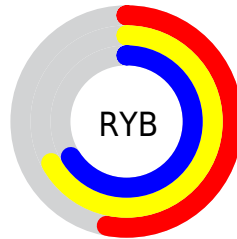
The XYZ color **29.3721, 36.5446, 28.0600** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **32.3352, 28.4648, 42.8216**, and the grayscale version is **32.1927, 33.8692, 36.8836**.

A 20% lighter version of the original color is **58.1989, 70.1510, 57.4868**, and **12.1545, 16.0515, 10.8451** is the 20% darker color. If you saturate the color by 10%, you get **25.8597, 34.8625, 22.1346**, and if you desaturate by 10%, it is **33.4629, 38.5045, 35.0326**.

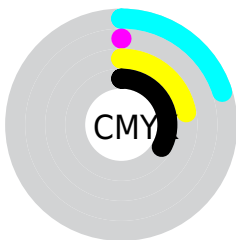
Distribution



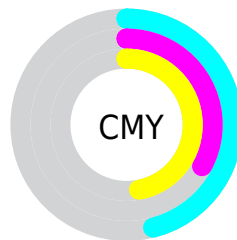
- Red (54%)
- Green (67%)
- Blue (53%)



- Red (53%)
- Yellow (67%)
- Blue (66%)



- Cyan (20%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)



- Cyan (46%)
- Magenta (33%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3721, 36.5446, 28.0600 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 29.3721, 36.5446, 28.0600 by changing the saturation by 10% instead.

■ 29.3721, 36.5446,
28.0600

■ 29.3721, 36.5446,
28.0600

290.9292,
331.3347, 306.6745

■ 19.5082, 24.8551,
18.1315

■ 58.0612, 69.8718,
57.6045

■ 12.1442, 15.9691,
10.8740

■ 77.6172, 92.2783,
78.0575

■ 6.9149, 9.5023,
5.8691

■ 101.1345,
119.0259, 102.8557

■ 3.4548, 5.0702,
2.6981

128.9785,
150.4991, 132.4178

■ 1.3986, 2.2885,
0.9425

161.5147,
187.0821, 167.1621

■ 0.2552, 0.7676,
0.0000

199.1083,

■ 0.0000, 0.0000,

229.1595, 207.5073

0.0000

242.1247,
277.1155, 253.8719

■ 29.3721, 36.5446,
28.0600

■ 29.3721, 36.5446,
28.0600

■ 25.8597, 34.8625,
22.1346

■ 33.4629, 38.5045,
35.0326

■ 22.8970, 33.4412,
17.2035

■ 38.1537, 40.7490,
43.0970

■ 20.4568, 32.2690,
13.2131

■ 43.4682, 43.2906,
52.2981

■ 18.5088, 31.3316,
10.1036

■ 49.4282, 46.1395,
62.6776

■ 17.0193, 30.6130,
7.8082

■ 56.0544, 49.3056,
74.2750

■ 15.9505, 30.0954,
6.2508

■ 63.3666, 52.7983,
87.1282

■ 15.2584, 29.7580,
5.3410

■ 71.3836, 56.6264,
101.2733

■ 14.9278, 29.5965,
4.9259

■ 74.0432, 57.9865,
101.8977

Harmonies

Analogous

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



32.1843, 36.5446, 23.3210



29.3721, 36.5446, 28.0600



28.0237, 36.5446, 36.6281

Triad

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



29.3721, 36.5446, 28.0600



33.6119, 36.5446, 64.1641



41.9877, 36.5446, 32.7609

Complementary

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



29.3721, 36.5446, 28.0600



32.3352, 28.4648, 42.8216

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.



42.4394, 36.5446, 43.1306



29.3721, 36.5446, 28.0600



37.4160, 36.5446, 62.6147

Square

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



29.3721, 36.5446, 28.0600



30.3519, 36.5446, 58.3193



40.7129, 36.5446, 54.4057



39.5200, 36.5446, 25.6723

Rectangle

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



29.3721, 36.5446, 28.0600



28.0634, 36.5446, 43.9207



40.7129, 36.5446, 54.4057



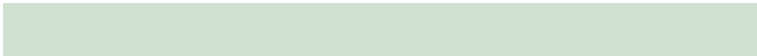
42.3871, 36.5446, 35.9284

Sweetspot

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



29.3731, 36.5462, 28.0608



64.7927, 71.8064, 70.5669



35.4749, 38.8076, 28.1757



13.9768, 15.5553, 15.1568



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.



29.3731, 36.5462, 28.0608



49.7223, 64.5903, 44.8795



30.0768, 36.7716, 34.2973



7.9609, 8.9684, 8.5249



11.1282, 22.0338, 3.6664



0.3281, 0.6225, 0.1029

Inverse Universe

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



32.3352, 28.4648, 42.8216



56.1505, 47.0434, 76.9266



31.5545, 28.2277, 35.3132



8.2738, 8.1154, 10.0831



16.1181, 7.6691, 29.6753



0.4664, 0.2226, 0.8264

Previews

White Background



This preview shows how the XYZ color 29.3721, 36.5446, 28.0600 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 29.3721, 36.5446, 28.0600 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 29.3721, 36.5446, 28.0600

Background



This preview shows how black text looks on a background with the XYZ color 29.3721, 36.5446, 28.0600.



This preview shows how white text looks on a background with the XYZ color 29.3721, 36.5446,

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

29.3721, 36.5446, 28.0600

Protanopia

34.1164, 36.3099, 25.9793

Deuteranopia

36.8973, 36.1479, 28.6994



Tritanopia

33.4500, 36.5469, 47.9391

Trichromacy



Original Color

29.3721, 36.5446, 28.0600

Protanomaly

32.2302, 36.3847, 26.7970

Deuteranomaly

33.7265, 36.0533, 28.4740

Tritanomaly

31.7688, 36.4004, 40.0019

Monochromacy



Original Color

29.3721, 36.5446, 28.0600

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.9228, 34.4946, 33.4621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3721, 36.5446, 28.0600 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(137, 172, 134)` looks like.

```
.text, #text, p{  
    color:rgb(137, 172, 134)  
}
```

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(137, 172, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 172, 134) }
```

Border

The CSS property to change the border of an element to XYZ 29.3721, 36.5446, 28.0600 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(137, 172, 134) }
```


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

```
.border{ border-color:rgb(137, 172, 134) }
```

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

Here you see how a box with a 4 pixel rgb(137, 172, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 172, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 172, 134);  
box-shadow:4px 4px 4px 4px rgb(137, 172,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3721, 36.5446, 28.0600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 172, 134) }
```

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

```
.background{ background-color: rgb(137,  
172, 134) }
```

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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