

Converting Colors

XYZ(29.0368, 36.3097, 26.6150)

Have a look what the booklet for
XYZ(29.0368, 36.3097, 26.6150)
contains.

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Color

**XYZ(29.0983, 36.4351,
26.6181)**

Conversions

Conversions Part 1

Format	Color
Hex	89AC82
RGB	137, 172, 130
RGB Percent	54%, 67%, 51%
CMY	0.4627, 0.3255, 0.4902
CMYK	0.20, 0.00, 0.24, 0.33
HSL	110°, 20%, 59%
HSV	110°, 24%, 67%
XYZ	29.0983, 36.4351, 26.6181
YIQ	156.7470, -7.3780, -20.4820

Conversions

Conversions Part 2

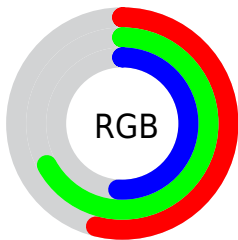
Format	Color
RYB	130, 172, 165
Decimal	9022594
CIELab	66.85, -20.13, 17.79
CIElCh	67, 26.865, 138.529
Yxy	36.4351, 0.3158, 0.3954
Android (android.graphics.Color)	4287212674 (0xFF89AC82)
YUV	156.7470, -13.1863, -17.3181
Hunter-Lab	60.3615, -19.5836, 16.1075

Details

The XYZ color **29.0983, 36.4351, 26.6181** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **30.9476, 26.9442, 42.6013**, and the grayscale version is **31.9946, 33.6608, 36.6567**.

A 20% lighter version of the original color is **57.7765, 69.9821, 55.2625**, and **12.0022, 15.9906, 10.0433** is the 20% darker color. If you saturate the color by 10%, you get **25.8435, 34.8807, 20.9347**, and if you desaturate by 10%, it is **32.8603, 38.2308, 33.3342**.

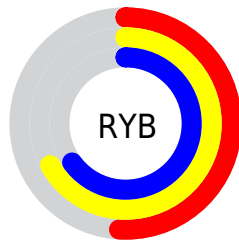
Distribution



Red (54%)

Green (67%)

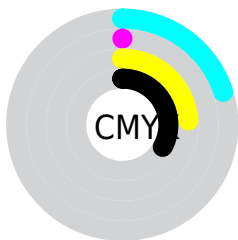
Blue (51%)



Red (51%)

Yellow (67%)

Blue (65%)

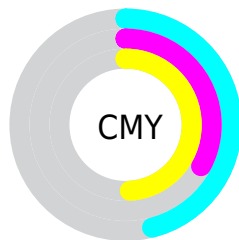


Cyan (20%)

Magenta (0%)

Yellow (24%)

Black (33%)



Cyan (46%)


Magenta (33%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0983, 36.4351, 26.6181 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 29.0983, 36.4351, 26.6181 by changing the saturation by 10% instead.


 29.0983, 36.4351,
26.6181


 29.0983, 36.4351,
26.6181


289.6643,
330.8583, 299.5047


 19.2999, 24.7704,
17.0567


 57.6297, 69.7031,
55.2667

 11.9924, 15.9061,
10.1125


 77.0934, 92.0752,
75.1910

 6.8107, 9.4577,
5.3671


 100.5095,
118.7853, 99.4067

 3.3893, 5.0409,
2.4017

128.2434,
150.2176, 128.3323

 1.3628, 2.2713,
0.7874

160.6605,
186.7567, 162.3863

 0.2295, 0.7585,
0.0000

198.1261,

 0.0000, 0.0000,

228.7869, 201.9874

0.0000

241.0056,
276.6927, 247.5540

■ 29.0983, 36.4351,
26.6181

■ 29.0983, 36.4351,
26.6181

■ 25.8435, 34.8807,
20.9347

■ 32.8603, 38.2308,
33.3342

■ 23.0711, 33.5527,
16.2305

■ 37.1470, 40.2726,
41.1283

■ 20.7587, 32.4419,
12.4510


■ 41.9788, 42.5711,
50.0455


■ 18.8809, 31.5365,
9.5352


■ 47.3740, 45.1349,
60.1280


■ 17.4098, 30.8235,
7.4148


■ 53.3499, 47.9719,
71.4157


 16.3138, 30.2884,
6.0112


 59.9234, 51.0902,
83.9466

 15.5567, 29.9146,
5.2298

 67.1105, 54.4970,
97.7569

 15.2505, 29.7628,
4.9410

 72.8300, 57.3610,
101.8410

 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.



32.2058, 36.4351, 22.0083



29.0983, 36.4351, 26.6181



27.5219, 36.4351, 35.3846

Triad

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



29.0983, 36.4351, 26.6181



33.0993, 36.4351, 65.8990



42.5820, 36.4351, 32.9754

Complementary

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



29.0983, 36.4351, 26.6181



30.9476, 26.9442, 42.6013

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.



42.8684, 36.4351, 44.2917



29.0983, 36.4351, 26.6181



37.1739, 36.4351, 64.9038

Square

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



29.0983, 36.4351, 26.6181



29.7083, 36.4351, 58.9173



40.8228, 36.4351, 56.4175



40.0684, 36.4351, 25.1527

Rectangle

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



29.0983, 36.4351, 26.6181



27.4621, 36.4351, 43.0846



40.8228, 36.4351, 56.4175



42.9488, 36.4351, 36.4439

Sweetspot

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



29.0993, 36.4367, 26.6189



65.1866, 72.0094, 70.5854



34.4992, 37.2943, 26.4998



14.0685, 15.6026, 15.1611



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.



29.0993, 36.4367, 26.6189



49.6634, 64.6059, 42.8011



28.9936, 36.2661, 31.8584



8.0243, 9.0011, 8.5278



11.3810, 22.1642, 3.6783



0.3533, 0.6355, 0.1040

Inverse Universe

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



30.9476, 26.9442, 42.6013



53.5649, 44.5408, 76.5798



31.1687, 27.2055, 35.9575



8.2041, 8.0795, 10.0798



14.0542, 6.6051, 29.5787



0.4252, 0.2014, 0.8244

Previews

White Background



This preview shows how the XYZ color 29.0983, 36.4351, 26.6181 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 29.0983, 36.4351, 26.6181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

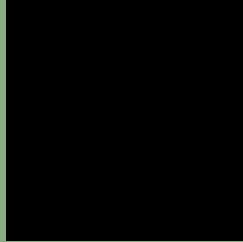
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.0983, 36.4351, 26.6181

Background



This preview shows how black text looks on a background with the XYZ color 29.0983, 36.4351, 26.6181.



This preview shows how white text looks on a background with the XYZ color 29.0983, 36.4351,

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

29.0983, 36.4351, 26.6181

Protanopia

33.8556, 36.2056, 24.6060

Deuteranopia

36.8611, 36.1618, 27.2274



Tritanopia

33.4500, 36.5469, 47.9391

Trichromacy



Original Color

29.0983, 36.4351, 26.6181

Protanomaly

31.9642, 36.2783, 25.3964

Deuteranomaly

33.4474, 35.9416, 27.0044

Tritanomaly

31.5910, 36.3293, 39.0654

Monochromacy



Original Color

29.0983, 36.4351, 26.6181

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.7645, 34.4313, 32.6282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0983, 36.4351, 26.6181 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(137, 172, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 172, 130) }
```

Border

The CSS property to change the border of an element to XYZ 29.0983, 36.4351, 26.6181 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, 130) }
```


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

```
.border{ border-color:rgb(137, 172, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 172, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 172, 130);  
box-shadow:4px 4px 4px 4px rgb(137, 172,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0983, 36.4351, 26.6181 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, 130) }
```

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

```
.background{ background-color: rgb(137,  
172, 130) }
```

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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