

Converting Colors

XYZ(36.5239, 40.7494, 46.8731)

Have a look what the booklet for
XYZ(36.5239, 40.7494, 46.8731)
contains.

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Color

**XYZ(36.4929, 40.6646,
47.0000)**

Conversions

Conversions Part 1

Format	Color
Hex	9AAF80
RGB	154, 175, 176
RGB Percent	60%, 69%, 69%
CMY	0.3961, 0.3137, 0.3098
CMYK	0.12, 0.01, 0.00, 0.31
HSL	183°, 12%, 65%
HSV	183°, 12%, 69%
XYZ	36.4929, 40.6646, 47.0000
YIQ	168.8350, -12.8370, -4.1410

Conversions

Conversions Part 2

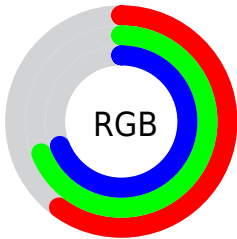
Format	Color
RYB	154, 165, 176
Decimal	10137520
CIELab	69.94, -7.03, -2.98
CIELCh	70, 7.630, 202.968
Yxy	40.6646, 0.2939, 0.3275
Android (android.graphics.Color)	4288327600 (0xFF9AAFB0)
YUV	168.8350, 3.5323, -13.0103
Hunter-Lab	63.7688, -9.4454, 0.9392

Details

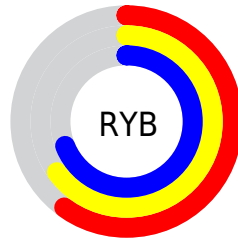
The XYZ color **36.4929, 40.6646, 47.0000** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.4588, 35.0058, 35.4605**, and the grayscale version is **37.6191, 39.5783, 43.1007**.

A 20% lighter version of the original color is **69.4359, 76.5333, 87.4567**, and **16.3146, 18.5047, 21.7807** is the 20% darker color. If you saturate the color by 10%, you get **33.2312, 38.7543, 46.8038**, and if you desaturate by 10%, it is **40.2491, 42.8333, 47.2213**.

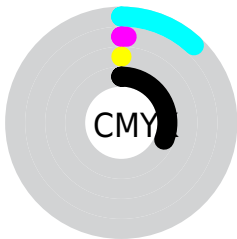
Distribution



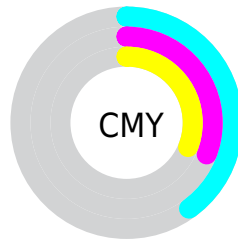
- Red (60%)
- Green (69%)
- Blue (69%)



- Red (60%)
- Yellow (65%)
- Blue (69%)



- Cyan (12%)
- Magenta (1%)
- Yellow (0%)
- Black (31%)



- Cyan (40%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4929, 40.6646, 47.0000 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 36.4929, 40.6646, 47.0000 by changing the saturation by 10% instead.

■ 36.4929, 40.6646,
47.0000

■ 36.4929, 40.6646,
47.0000

322.5036,
348.9169, 391.2083

■ 24.9870, 28.0571,
32.6813

■ 69.1111, 76.1745,
87.0636

■ 16.1960, 18.3687,
21.6133

■ 90.9540, 99.8457,
113.6456

■ 9.7547, 11.2150,
13.3774

116.9734,
127.9735, 145.1524

■ 5.2976, 6.2117,
7.5552

147.5345,
160.9425, 182.0027

■ 2.4595, 2.9742,
3.7280

183.0028,
199.1369, 224.6148

■ 0.8749, 1.1183,
1.4773

223.7434,

■ 0.0000, 0.0000,

242.9411, 273.4075

0.2010

270.1219,
292.7397, 328.7991

■ 0.0000, 0.0000,
0.0000

■ 36.4929, 40.6646,
47.0000

■ 36.4929, 40.6646,
47.0000

■ 33.2312, 38.7543,
46.8038

■ 40.2491, 42.8333,
47.2213

■ 30.4391, 37.0864,
46.6291

■ 44.5162, 45.2657,
47.4659

■ 28.0949, 35.6508,
46.4755

■ 49.3143, 47.9732,
47.7356

■ 26.1740, 34.4347,
46.3420

■ 54.6612, 50.9650,
48.0312

■ 24.6491, 33.4242,
46.2273

■ 60.5741, 54.2499,
48.3536

■ 23.4898, 32.6035,
46.1300

■ 65.3558, 56.9530,
48.6234

■ 22.6616, 31.9548,
46.0485

■ 65.5171, 57.2756,
48.6771

■ 22.1230, 31.4567,
45.9807

■ 65.6793, 57.6001,
48.7312

■ 21.8433, 31.1481,
45.9359

■ 65.8425, 57.9264,
48.7856

Harmonies

Analogous

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



36.3282, 40.6646, 43.4448



36.4929, 40.6646, 47.0000



37.2298, 40.6646, 49.9649

Triad

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



36.4929, 40.6646, 47.0000



40.5887, 40.6646, 48.5254



38.9436, 40.6646, 37.8292

Complementary

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



36.4929, 40.6646, 47.0000



35.4588, 35.0058, 35.4605

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.



40.1068, 40.6646, 39.0377



36.4929, 40.6646, 47.0000



41.0697, 40.6646, 45.1195

Square

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



36.4929, 40.6646, 47.0000



39.5900, 40.6646, 50.8780



40.8915, 40.6646, 41.6609



37.7260, 40.6646, 38.2729

Rectangle

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



36.4929, 40.6646, 47.0000



37.9551, 40.6646, 51.1443



40.8915, 40.6646, 41.6609



39.3543, 40.6646, 38.0534

Sweetspot

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



36.4941, 40.6663, 47.0009



71.8675, 77.0358, 85.5769



34.7465, 40.2790, 36.8371



15.4611, 16.6295, 18.5393



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.



36.4941, 40.6663, 47.0009



64.4646, 72.7506, 85.1399



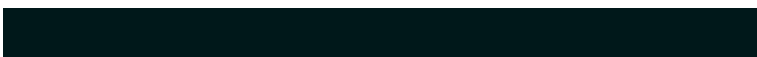
34.4868, 36.6518, 46.3318



8.7090, 9.5642, 10.8934



16.0385, 22.8773, 33.7074



0.5147, 0.7399, 1.0639

Inverse Universe

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



37.1989, 35.4373, 45.4389



66.0000, 61.4023, 81.7279



37.3257, 38.7395, 36.0828



8.8331, 8.6399, 10.6193



18.3301, 8.8496, 27.9621



0.5818, 0.2805, 0.9065

Previews

White Background



This preview shows how the XYZ color 36.4929, 40.6646, 47.0000 looks on a white background.

Color Contrast Check

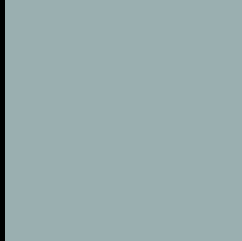
Large Text (above 18pt) WCAG AA × Fail

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 36.4929, 40.6646, 47.0000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

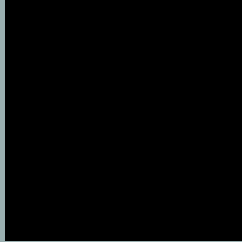
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4929, 40.6646, 47.0000

Background



This preview shows how black text looks on a background with the XYZ color 36.4929, 40.6646, 47.0000.



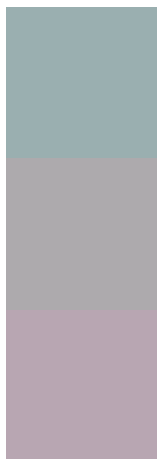
This preview shows how white text looks on a background with the XYZ color 36.4929, 40.6646,

47.0000.

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

36.4929, 40.6646, 47.0000

Protanopia

39.1511, 40.6508, 45.3181

Deuteranopia

41.4393, 40.6771, 47.7869



Tritanopia

37.6235, 40.5429, 52.8563

Trichromacy



Original Color

36.4929, 40.6646, 47.0000

Protanomaly

38.1184, 40.6680, 45.8851

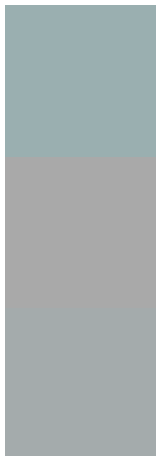
Deuteranomaly

39.3574, 40.4345, 47.3253

Tritanomaly

37.2009, 40.6596, 50.6871

Monochromacy



Original Color

36.4929, 40.6646, 47.0000

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.3191, 39.9969, 44.7830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4929, 40.6646, 47.0000 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(154, 175, 176) looks like.

```
.text, #text, p{  
    color:rgb(154, 175, 176)  
}
```

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(154, 175, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 175, 176) }
```

Border

The CSS property to change the border of an element to XYZ 36.4929, 40.6646, 47.0000 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(154, 175, 176) }
```


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

```
.border{ border-color:rgb(154, 175, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 175, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 175, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 175, 176);  
box-shadow:4px 4px 4px 4px rgb(154, 175,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4929, 40.6646, 47.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 175, 176) }
```

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

```
.background{ background-color: rgb(154,  
175, 176) }
```

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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