

Converting Colors

XYZ(36.9492, 42.3842, 26.4838)

Have a look what the booklet for
XYZ(36.9492, 42.3842, 26.4838)
contains.

XYZ(37.0296, 42.5694, 26.6871)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.0296, 42.5694,
26.6871)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB380
RGB	172, 179, 128
RGB Percent	67%, 70%, 50%
CMY	0.3255, 0.2980, 0.4980
CMYK	0.04, 0.00, 0.28, 0.30
HSL	68°, 25%, 60%
HSV	68°, 28%, 70%
XYZ	37.0296, 42.5694, 26.6871
YIQ	171.0930, 12.1990, -17.3450

Conversions

Conversions Part 2

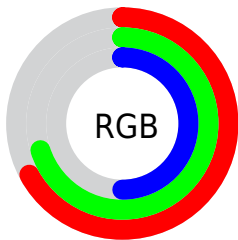
Format	Color
RYB	128, 179, 135
Decimal	11318144
CIELab	71.26, -10.95, 25.29
CIELCh	71, 27.556, 113.410
Yxy	42.5694, 0.3484, 0.4005
Android (android.graphics.Color)	4289508224 (0xFFACB380)
YUV	171.0930, -21.2448, 0.7954
Hunter-Lab	65.2452, -12.8724, 21.4204

Details

The XYZ color **37.0296, 42.5694, 26.6871** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.8492, 23.8451, 45.8905**, and the grayscale version is **38.8554, 40.8789, 44.5172**.

A 20% lighter version of the original color is **70.0437, 79.2468, 55.3205**, and **16.4437, 19.3937, 10.0844** is the 20% darker color. If you saturate the color by 10%, you get **35.4196, 41.8651, 20.9947**, and if you desaturate by 10%, it is **38.8596, 43.3658, 33.4765**.

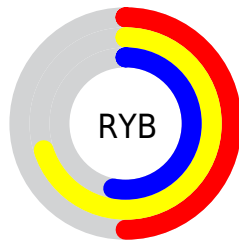
Distribution



Red (67%)

Green (70%)

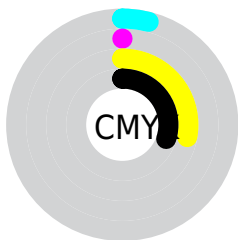
Blue (50%)



Red (50%)

Yellow (70%)

Blue (53%)

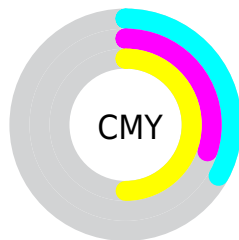


Cyan (4%)

Magenta (0%)

Yellow (28%)

Black (30%)



Cyan (33%)

Magenta (30%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0296, 42.5694, 26.6871 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 37.0296, 42.5694, 26.6871 by changing the saturation by 10% instead.

■ 37.0296, 42.5694,
26.6871

■ 37.0296, 42.5694,
26.6871

324.7920,
356.8379, 299.8510

■ 25.4042, 29.5474,
17.1080

■ 69.9318, 79.0607,
55.3790

■ 16.5088, 19.4953,
10.1488

■ 91.9394, 103.2987,
75.3288

■ 9.9780, 12.0287,
5.3908

■ 118.1384,
132.0443, 99.5727

■ 5.4465, 6.7632,
2.4156

148.8941,
165.6817, 128.5291

■ 2.5490, 3.3145,
0.7949

184.5720,
204.5953, 162.6166

■ 0.9200, 1.2980,
0.0000

225.5373,

■ 0.0000, 0.1397,

249.1697, 202.2537

0.0000

272.1556,
299.7891, 247.8590

■ 0.0000, 0.0000,
0.0000

■ 37.0296, 42.5694,
26.6871

■ 37.0296, 42.5694,
26.6871

■ 35.4196, 41.8651,
20.9947

■ 38.8596, 43.3658,
33.4765

■ 34.0155, 41.2429,
16.3391

■ 40.9166, 44.2526,
41.4136

■ 32.8063, 40.6997,
12.6585


■ 43.2111, 45.2357,
50.5491


■ 31.7788, 40.2303,
9.8832


■ 45.7522, 46.3186,
60.9299


■ 30.9179, 39.8288,
7.9344


■ 48.5483, 47.5046,
72.6004


 30.2060, 39.4880,
6.7200


 51.6075, 48.7970,
85.6028

 29.6133, 39.1959,
6.0823

 54.9375, 50.1990,
99.9773

 29.5276, 39.1534,
6.0011

 55.8252, 50.6252,
101.4371

 56.4515, 50.9481,
101.4664

Harmonies

Analogous

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



41.4901, 42.5694, 25.3748



37.0296, 42.5694, 26.6871



33.7325, 42.5694, 32.7666

Triad

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



37.0296, 42.5694, 26.6871



35.3882, 42.5694, 69.9546



49.9536, 42.5694, 49.3356

Complementary

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



37.0296, 42.5694, 26.6871



25.8492, 23.8451, 45.8905

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.



48.0294, 42.5694, 63.2500



37.0296, 42.5694, 26.6871



39.4489, 42.5694, 76.5335

Square

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



37.0296, 42.5694, 26.6871



32.8365, 42.5694, 57.2238



44.0980, 42.5694, 73.8713



49.1827, 42.5694, 36.9505

Rectangle

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



37.0296, 42.5694, 26.6871



32.5227, 42.5694, 39.4527



44.0980, 42.5694, 73.8713



49.5960, 42.5694, 54.0096

Sweetspot

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



37.0307, 42.5713, 26.6880



73.0204, 79.1408, 73.1640



31.1243, 28.4156, 24.2670



16.0551, 17.4809, 15.7306



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.0307, 42.5713, 26.6880



64.5172, 75.4522, 41.3666



31.9968, 39.9762, 26.4524



9.0800, 9.8463, 9.0745



20.9049, 27.6870, 4.2423



0.6892, 0.8874, 0.1350

Inverse Universe

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



25.8492, 23.8451, 45.8905



41.2964, 36.5529, 81.2600



30.4145, 26.1986, 46.1041



8.1469, 8.2843, 10.6760



6.0593, 2.4595, 30.2924



0.2248, 0.0950, 0.9547

Previews

White Background



This preview shows how the XYZ color 37.0296, 42.5694, 26.6871 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 37.0296, 42.5694, 26.6871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

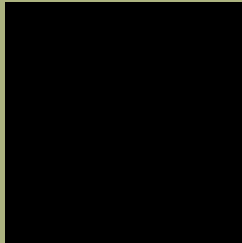
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0296, 42.5694, 26.6871

Background



This preview shows how black text looks on a background with the XYZ color 37.0296, 42.5694, 26.6871.



This preview shows how white text looks on a background with the XYZ color 37.0296, 42.5694,

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

37.0296, 42.5694, 26.6871

Protanopia

39.6410, 42.4698, 25.8469

Deuteranopia

43.3016, 42.3710, 27.0153



Tritanopia

42.0999, 42.5915, 51.9010

Trichromacy



Original Color

37.0296, 42.5694, 26.6871

Protanomaly

38.6475, 42.5281, 26.2505

Deuteranomaly

40.7735, 42.1801, 26.7615

Tritanomaly

39.9353, 42.5704, 41.2340

Monochromacy



Original Color

37.0296, 42.5694, 26.6871

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.8470, 41.2966, 36.9866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0296, 42.5694, 26.6871 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(172, 179, 128)` looks like.

```
.text, #text, p{  
    color:rgb(172, 179, 128)  
}
```

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(172, 179, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 179, 128) }
```

Border

The CSS property to change the border of an element to XYZ 37.0296, 42.5694, 26.6871 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(172, 179, 128) }
```


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

```
.border{ border-color:rgb(172, 179, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 179, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 179, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 179, 128);  
box-shadow:4px 4px 4px 4px rgb(172, 179,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0296, 42.5694, 26.6871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 179, 128) }
```

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

```
.background{ background-color: rgb(172,  
179, 128) }
```

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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