

Converting Colors

XYZ(37.6301, 42.8865, 26.3733)

Have a look what the booklet for
XYZ(37.6301, 42.8865, 26.3733)
contains.

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Color

**XYZ(37.6301, 42.8865,
26.3733)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB37F
RGB	175, 179, 127
RGB Percent	69%, 70%, 50%
CMY	0.3137, 0.2980, 0.5020
CMYK	0.02, 0.00, 0.29, 0.30
HSL	65°, 25%, 60%
HSV	65°, 29%, 70%
XYZ	37.6301, 42.8865, 26.3733
YIQ	171.8760, 14.3080, -17.0200

Conversions

Conversions Part 2

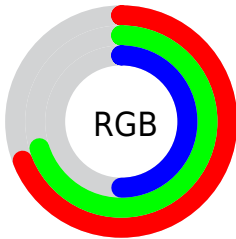
Format	Color
RYB	127, 179, 131
Decimal	11514751
CIELab	71.48, -9.92, 26.15
CIELCh	71, 27.970, 110.765
Yxy	42.8865, 0.3520, 0.4012
Android (android.graphics.Color)	4289704831 (0xFFAFB37F)
YUV	171.8760, -22.1239, 2.7397
Hunter-Lab	65.4878, -12.0353, 21.9641

Details

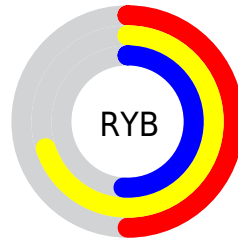
The XYZ color **37.6301, 42.8865, 26.3733** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.0878, 23.2599, 45.8176**, and the grayscale version is **39.2542, 41.2985, 44.9740**.

A 20% lighter version of the original color is **70.9015, 79.7009, 54.8269**, and **16.8264, 19.5951, 9.9166** is the 20% darker color. If you saturate the color by 10%, you get **36.2583, 42.3037, 20.7510**, and if you desaturate by 10%, it is **39.2146, 43.5577, 33.0892**.

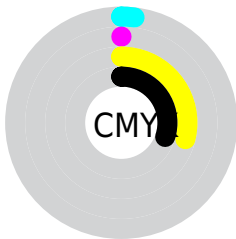
Distribution



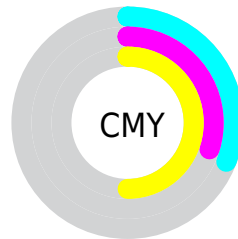
- Red (69%)
- Green (70%)
- Blue (50%)



- Red (50%)
- Yellow (70%)
- Blue (51%)



- Cyan (2%)
- Magenta (0%)
- Yellow (29%)
- Black (30%)



- Cyan (31%)
- Magenta (30%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6301, 42.8865, 26.3733 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 37.6301, 42.8865, 26.3733 by changing the saturation by 10% instead.

■ 37.6301, 42.8865,
26.3733

■ 37.6301, 42.8865,
26.3733

327.3389,
358.1448, 298.2734

■ 25.8716, 29.7961,
16.8749

■ 70.8484, 79.5396,
54.8680

■ 16.8598, 19.6839,
9.9843

■ 93.0389, 103.8710,
74.7014

■ 10.2293, 12.1654,
5.2831

■ 119.4375,
132.7182, 98.8168

■ 5.6147, 6.8565,
2.3527

150.4095,
166.4656, 127.6327

■ 2.6506, 3.3725,
0.7605

186.3203,
205.4975, 161.5679

■ 0.9718, 1.3292,
0.0000

227.5352,

■ 0.0000, 0.1636,

250.1984, 201.0406

0.0000

274.4196,
300.9527, 246.4696

■ 0.0000, 0.0000,
0.0000

■ 37.6301, 42.8865,
26.3733

■ 37.6301, 42.8865,
26.3733

■ 36.2583, 42.3037,
20.7510

■ 39.2146, 43.5577,
33.0892

■ 35.0848, 41.7991,
16.1619

■ 41.0186, 44.3156,
40.9496

■ 34.0989, 41.3699,
12.5437

■ 43.0528, 45.1659,
50.0053

■ 33.2871, 41.0107,
9.8263

■ 45.3261, 46.1123,
60.3035

■ 32.6344, 40.7155,
7.9305

■ 47.8469, 47.1580,
71.8886

■ 32.1232, 40.4773,
6.7631

■ 50.6234, 48.3063,
84.8029

■ 31.7207, 40.2829,
6.1523

■ 53.6631, 49.5604,
99.0869

■ 31.6841, 40.2651,
6.1020

■ 54.4274, 49.9046,
101.3717

■ 54.7639, 50.0781,
101.3874

Harmonies

Analogous

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



42.2355, 42.8865, 25.4610



37.6301, 42.8865, 26.3733



34.1321, 42.8865, 32.1163

Triad

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



37.6301, 42.8865, 26.3733



35.2898, 42.8865, 69.8473



50.3875, 42.8865, 50.9906

Complementary

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



37.6301, 42.8865, 26.3733



25.0878, 23.2599, 45.8176

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.



48.1999, 42.8865, 65.1306



37.6301, 42.8865, 26.3733



39.3238, 42.8865, 77.3186

Square

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



37.6301, 42.8865, 26.3733



32.8551, 42.8865, 56.5255



44.0637, 42.8865, 75.4433



49.8461, 42.8865, 38.0778

Rectangle

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



37.6301, 42.8865, 26.3733



32.7834, 42.8865, 38.6498



44.0637, 42.8865, 75.4433



49.9410, 42.8865, 55.7882

Sweetspot

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



37.6312, 42.8884, 26.3742



73.4244, 79.3490, 73.1829



30.4675, 27.2068, 23.7249



16.1585, 17.5342, 15.7355



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.



37.6312, 42.8884, 26.3742



65.7431, 76.1061, 40.4318



32.4444, 40.2145, 26.1315



9.1312, 9.8727, 9.0769



22.4130, 28.4644, 4.3129



0.7242, 0.9054, 0.1366

Inverse Universe

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



25.0878, 23.2599, 45.8176



39.5337, 35.0852, 81.0696



29.5282, 25.5490, 46.0254



8.1006, 8.2604, 10.6738



5.8983, 2.3765, 30.2848



0.2055, 0.0850, 0.9538

Previews

White Background



This preview shows how the XYZ color 37.6301, 42.8865, 26.3733 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 37.6301, 42.8865, 26.3733 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 37.6301, 42.8865, 26.3733

Background



This preview shows how black text looks on a background with the XYZ color 37.6301, 42.8865, 26.3733.



This preview shows how white text looks on a background with the XYZ color 37.6301, 42.8865,

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

37.6301, 42.8865, 26.3733

Protanopia

39.7707, 42.8320, 25.5733

Deuteranopia

43.6972, 42.8556, 26.7378



Tritanopia

42.8009, 42.9529, 51.9338

Trichromacy



Original Color

37.6301, 42.8865, 26.3733

Protanomaly

38.8197, 42.6243, 25.9200

Deuteranomaly

41.1545, 42.6657, 26.4883

Tritanomaly

40.6212, 42.9240, 41.2661

Monochromacy



Original Color

37.6301, 42.8865, 26.3733

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.5643, 41.9445, 37.5160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6301, 42.8865, 26.3733 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(175, 179, 127)` looks like.

```
.text, #text, p{  
    color:rgb(175, 179, 127)  
}
```

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(175, 179, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 179, 127) }
```

Border

The CSS property to change the border of an element to XYZ 37.6301, 42.8865, 26.3733 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(175, 179, 127) }
```


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

```
.border{ border-color:rgb(175, 179, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 179, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 179, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 179, 127);  
box-shadow:4px 4px 4px 4px rgb(175, 179,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6301, 42.8865, 26.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 179, 127) }
```

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

```
.background{ background-color: rgb(175,  
179, 127) }
```

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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