

Converting Colors

XYZ(37.6251, 41.1964, 15.0882)

Have a look what the booklet for
XYZ(37.6251, 41.1964, 15.0882)
contains.

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Color

**XYZ(37.4591, 41.0120,
14.9586)**

Conversions

Conversions Part 1

Format	Color
Hex	BDAC57
RGB	189, 172, 87
RGB Percent	74%, 67%, 34%
CMY	0.2588, 0.3255, 0.6588
CMYK	0.00, 0.09, 0.54, 0.26
HSL	50°, 44%, 54%
HSV	50°, 54%, 74%
XYZ	37.4591, 41.0120, 14.9586
YIQ	167.3930, 37.4170, -22.8310

Conversions

Conversions Part 2

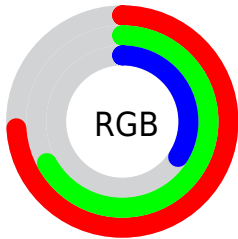
Format	Color
RYB	107, 189, 87
Decimal	12430423
CIELab	70.18, -4.90, 45.40
CIElCh	70, 45.659, 96.158
Yxy	41.0120, 0.4009, 0.4390
Android (android.graphics.Color)	4290620503 (0xFFBDAC57)
YUV	167.3930, -39.6337, 18.9493
Hunter-Lab	64.0406, -7.6616, 30.9795

Details

The XYZ color **37.4591, 41.0120, 14.9586** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **18.0660, 15.6005, 50.2030**, and the grayscale version is **37.0979, 39.0299, 42.5036**.

A 20% lighter version of the original color is **70.4871, 76.5764, 35.4918**, and **16.7233, 18.5531, 4.4500** is the 20% darker color. If you saturate the color by 10%, you get **36.1939, 39.5598, 11.2134**, and if you desaturate by 10%, it is **38.9426, 42.5773, 19.7748**.

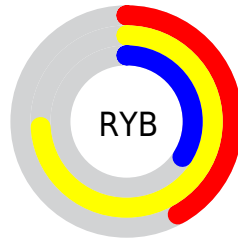
Distribution



Red (74%)

Green (67%)

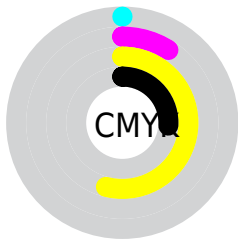
Blue (34%)



Red (42%)

Yellow (74%)

Blue (34%)

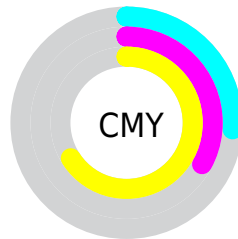


Cyan (0%)

Magenta (9%)

Yellow (54%)

Black (26%)



Cyan (26%)

Magenta (33%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4591, 41.0120, 14.9586 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 37.4591, 41.0120, 14.9586 by changing the saturation by 10% instead.

■ 37.4591, 41.0120,
14.9586

■ 37.4591, 41.0120,
14.9586

326.6150,
350.3708, 234.7476

■ 25.7385, 28.3285,
8.6440

■ 70.5876, 76.7021,
35.5218

■ 16.7597, 18.5734,
4.4161

■ 92.7261, 100.4775,
50.6075

■ 10.1576, 11.3624,
1.8563

■ 119.0680,
128.7189, 69.4541

■ 5.5666, 6.3112,
0.4647

■ 149.9786,
161.8108, 92.4799

■ 2.6215, 3.0352,
0.0000

■ 185.8232,
200.1375, 120.1037

■ 0.9569, 1.1501,
0.0000

226.9673,

■ 0.0000, 0.0204,

244.0835, 152.7439

0.0000

273.7761,
294.0331, 190.8190

■ 0.0000, 0.0000,
0.0000

■ 37.4591, 41.0120,
14.9586

■ 37.4591, 41.0120,
14.9586

■ 36.1939, 39.5598,
11.2134

■ 38.9426, 42.5773,
19.7748

■ 35.1279, 38.2082,
8.4517

■ 40.6560, 44.2560,
25.7353

■ 34.2432, 36.9517,
6.5762

■ 42.6135, 46.0553,
32.9100

■ 33.5175, 35.7810,
5.4688

■ 44.8271, 47.9803,
41.3622

■ 33.1295, 35.1053,
5.0299

■ 47.3083, 50.0355,
51.1511

■ 50.0675, 52.2255,
62.3320

■ 53.1148, 54.5544,
74.9571

■ 56.4597, 57.0261,
89.0760

■ 59.7709, 59.5082,
102.9437

Harmonies

Analogous

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



45.0840, 41.0120, 16.5946



37.4591, 41.0120, 14.9586



31.1004, 41.0120, 18.9833

Triad

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



37.4591, 41.0120, 14.9586



28.4894, 41.0120, 73.6114



53.6606, 41.0120, 63.4463

Complementary

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



37.4591, 41.0120, 14.9586



18.0660, 15.6005, 50.2030

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.



48.0909, 41.0120, 86.8175



37.4591, 41.0120, 14.9586



33.4547, 41.0120, 93.8791

Square

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



37.4591, 41.0120, 14.9586



26.3656, 41.0120, 49.2179



40.5429, 41.0120, 99.3573



55.0883, 41.0120, 40.3834

Rectangle

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



37.4591, 41.0120, 14.9586



28.2199, 41.0120, 25.4299



40.5429, 41.0120, 99.3573



52.1789, 41.0120, 71.7259

Sweetspot

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



37.4601, 41.0139, 14.9594



79.3367, 85.1236, 70.4074



26.8934, 18.6351, 15.2767



16.8823, 18.1513, 14.4543



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.4601, 41.0139, 14.9594



64.3994, 70.3354, 18.9185



33.4356, 44.0518, 15.7579



10.1833, 10.8425, 10.1327



22.3387, 23.7161, 3.4003



0.9115, 1.0020, 0.1454

Inverse Universe

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



18.0660, 15.6005, 50.2030



26.0747, 20.1745, 88.7460



20.4790, 14.5559, 49.8742



9.1415, 9.4754, 12.0193



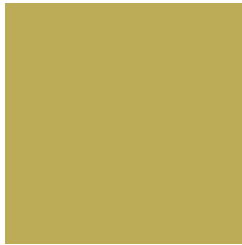
6.5572, 3.2261, 32.6700



0.2974, 0.2075, 1.2932

Previews

White Background



This preview shows how the XYZ color 37.4591, 41.0120, 14.9586 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 37.4591, 41.0120, 14.9586 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 37.4591, 41.0120, 14.9586

Background



This preview shows how black text looks on a background with the XYZ color 37.4591, 41.0120, 14.9586.



This preview shows how white text looks on a background with the XYZ color 37.4591, 41.0120,

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

37.4591, 41.0120, 14.9586

Protanopia

37.7080, 41.1403, 14.9703

Deuteranopia

41.9426, 41.1211, 15.1777



Tritanopia

43.6842, 40.8061, 46.1314

Trichromacy



Original Color

37.4591, 41.0120, 14.9586

Protanomaly

37.7080, 41.1403, 14.9703

Deuteranomaly

40.2088, 41.0385, 15.0345

Tritanomaly

40.8423, 40.7249, 31.6947

Monochromacy



Original Color

37.4591, 41.0120, 14.9586

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.4546, 39.3249, 29.7139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4591, 41.0120, 14.9586 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(189, 172, 87)` looks like.

```
.text, #text, p{  
    color:rgb(189, 172, 87)  
}
```

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(189, 172, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 172, 87) }
```

Border

The CSS property to change the border of an element to XYZ 37.4591, 41.0120, 14.9586 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(189, 172, 87) }
```


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

```
.border{ border-color:rgb(189, 172, 87) }
```

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

Here you see how a box with a 4 pixel rgb(189, 172, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 172, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 172, 87);  
box-shadow:4px 4px 4px 4px rgb(189, 172,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4591, 41.0120, 14.9586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 172, 87) }
```

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

```
.background{ background-color: rgb(189,  
172, 87) }
```

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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