

Converting Colors

XYZ(37.4508, 42.7048, 19.3933)

Have a look what the booklet for
XYZ(37.4508, 42.7048, 19.3933)
contains.

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Color

**XYZ(37.4751, 42.6640,
19.3565)**

Conversions

Conversions Part 1

Format	Color
Hex	B5B268
RGB	181, 178, 104
RGB Percent	71%, 70%, 41%
CMY	0.2902, 0.3019, 0.5921
CMYK	0.00, 0.02, 0.43, 0.29
HSL	58°, 34%, 56%
HSV	58°, 43%, 71%
XYZ	37.4751, 42.6640, 19.3565
YIQ	170.4610, 25.5420, -22.3780

Conversions

Conversions Part 2

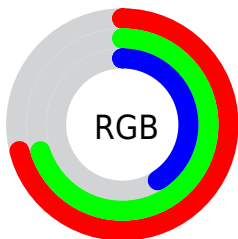
Format	Color
RYB	107, 181, 104
Decimal	11907688
CIELab	71.33, -9.77, 38.11
CIElCh	71, 39.338, 104.378
Yxy	42.6640, 0.3767, 0.4288
Android (android.graphics.Color)	4290097768 (0xFFB5B268)
YUV	170.4610, -32.7653, 9.2427
Hunter-Lab	65.3177, -11.8941, 28.1521

Details

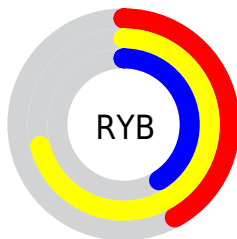
The XYZ color **37.4751, 42.6640, 19.3565** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.3070, 16.7941, 45.9399**, and the grayscale version is **38.5893, 40.5989, 44.2122**.

A 20% lighter version of the original color is **70.6835, 79.4231, 43.0573**, and **16.9028, 19.7096, 6.5279** is the 20% darker color. If you saturate the color by 10%, you get **36.5134, 42.0573, 14.9768**, and if you desaturate by 10%, it is **38.6370, 43.3550, 24.7775**.

Distribution



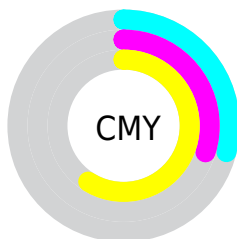
- Red (71%)
- Green (70%)
- Blue (41%)



- Red (42%)
- Yellow (71%)
- Blue (41%)



- Cyan (0%)
- Magenta (2%)
- Yellow (43%)
- Black (29%)





- Cyan (29%)
- Magenta (30%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4751, 42.6640, 19.3565 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 37.4751, 42.6640, 19.3565 by changing the saturation by 10% instead.


 37.4751, 42.6640,
19.3565


 37.4751, 42.6640,
19.3565


326.6828,
357.2281, 260.8978


 25.7509, 29.6216,
11.7487


 70.6120, 79.2036,
43.1803


 16.7691, 19.5515,
6.4524


 92.7554, 103.4695,
60.2335

 10.1643, 12.0695,
3.0489


 119.1026,
132.2454, 81.2722

 5.5711, 6.7910,
1.1196

 150.0189,
165.9157, 106.7150

 2.6243, 3.3317,
0.0000

185.8698,
204.8647, 136.9804

 0.9583, 1.3073,
0.0000

227.0205,

 0.0000, 0.1468,

249.4768, 172.4870

0.0000

273.8364,
300.1365, 213.6533

■ 0.0000, 0.0000,
0.0000

■ 37.4751, 42.6640,
19.3565

■ 37.4751, 42.6640,
19.3565

■ 36.5134, 42.0573,
14.9768

■ 38.6370, 43.3550,
24.7775

■ 35.7360, 41.5239,
11.5686

■ 40.0075, 44.1291,
31.2982

■ 35.1296, 41.0601,
9.0579


■ 41.5984, 44.9925,
38.9761


■ 34.6781, 40.6593,
7.3586


■ 43.4198, 45.9492,
47.8637


■ 34.3618, 40.3138,
6.3683


■ 45.4809, 47.0030,
58.0104

 34.1842, 40.0802,
5.9346

 47.7906, 48.1574,
69.4626

 50.3574, 49.4157,
82.2648

 53.1892, 50.7813,
96.4589

 54.3174, 51.4666,
101.6789

Harmonies

Analogous

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



44.0719, 42.6640, 19.4710



37.4751, 42.6640, 19.3565



32.2931, 42.6640, 24.9864

Triad

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



37.4751, 42.6640, 19.3565



32.1256, 42.6640, 76.8561



54.0687, 42.6640, 56.9654

Complementary

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



37.4751, 42.6640, 19.3565



19.3070, 16.7941, 45.9399

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.



50.1084, 42.6640, 77.6413



37.4751, 42.6640, 19.3565



37.2225, 42.6640, 91.0835

Square

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



37.4751, 42.6640, 19.3565



29.4400, 42.6640, 56.0944



43.7905, 42.6640, 91.4046



54.1553, 42.6640, 37.9864

Rectangle

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



37.4751, 42.6640, 19.3565



30.1336, 42.6640, 32.4202



43.7905, 42.6640, 91.4046



53.1286, 42.6640, 64.0456

Sweetspot

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



37.4761, 42.6660, 19.3574



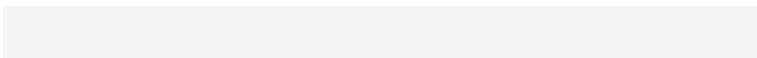
74.2965, 80.4710, 68.8075



26.7054, 20.8043, 16.7542



15.9176, 17.3172, 14.1910



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.



37.4761, 42.6660, 19.3574



65.5027, 75.3946, 27.3060



30.9391, 40.1904, 19.2241



9.1682, 9.8488, 9.0703



23.5782, 27.6549, 4.0952



0.7505, 0.8875, 0.1317

Inverse Universe

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



19.3070, 16.7941, 45.9399



28.6712, 22.9556, 81.2143



23.8803, 18.6962, 46.0660



8.0676, 8.2814, 10.6796



5.8144, 2.4291, 30.2994



0.1917, 0.0939, 0.9563

Previews

White Background



This preview shows how the XYZ color 37.4751, 42.6640, 19.3565 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 37.4751, 42.6640, 19.3565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

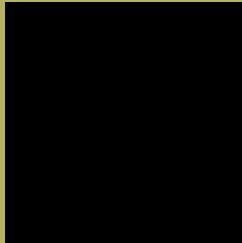
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4751, 42.6640, 19.3565

Background



This preview shows how black text looks on a background with the XYZ color 37.4751, 42.6640, 19.3565.



This preview shows how white text looks on a background with the XYZ color 37.4751, 42.6640,

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

37.4751, 42.6640, 19.3565

Protanopia

39.2640, 42.7156, 19.0075

Deuteranopia

43.3365, 42.5479, 19.8384



Tritanopia

43.8667, 42.7005, 50.1860

Trichromacy



Original Color

37.4751, 42.6640, 19.3565

Protanomaly

38.4670, 42.5947, 19.0261

Deuteranomaly

40.9838, 42.4458, 19.6684

Tritanomaly

41.0788, 42.4029, 36.5914

Monochromacy



Original Color

37.4751, 42.6640, 19.3565

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.5874, 40.9611, 33.1193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4751, 42.6640, 19.3565 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(181, 178, 104)` looks like.

```
.text, #text, p{  
    color:rgb(181, 178, 104)  
}
```

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(181, 178, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 178, 104) }
```

Border

The CSS property to change the border of an element to XYZ 37.4751, 42.6640, 19.3565 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(181, 178, 104) }
```


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

```
.border{ border-color:rgb(181, 178, 104) }
```

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

Here you see how a box with a 4 pixel rgb(181, 178, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 178, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 178, 104);  
box-shadow:4px 4px 4px 4px rgb(181, 178,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4751, 42.6640, 19.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 178, 104) }
```

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

```
.background{ background-color: rgb(181,  
178, 104) }
```

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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