

Converting Colors

XYZ(33.9624, 38.1635, 11.5375)

Have a look what the booklet for
XYZ(33.9624, 38.1635, 11.5375)
contains.

XYZ(33.9624, 38.1635, 11.5375)	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(33.9624, 38.1635,
11.5375)**

Conversions

Conversions Part 1

Format	Color
Hex	B4A847
RGB	180, 168, 71
RGB Percent	71%, 66%, 28%
CMY	0.2941, 0.3412, 0.7216
CMYK	0.00, 0.07, 0.61, 0.29
HSL	53°, 43%, 49%
HSV	53°, 61%, 71%
XYZ	33.9624, 38.1635, 11.5375
YIQ	160.5300, 38.2890, -27.6230

Conversions

Conversions Part 2

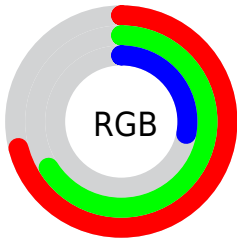
Format	Color
RYB	84, 180, 71
Decimal	11839559
CIELab	68.14, -7.87, 50.43
CIELCh	68, 51.040, 98.871
Yxy	38.1635, 0.4059, 0.4562
Android (android.graphics.Color)	4290029639 (0xFFB4A847)
YUV	160.5300, -44.1383, 17.0752
Hunter-Lab	61.7766, -9.9767, 32.1705

Details

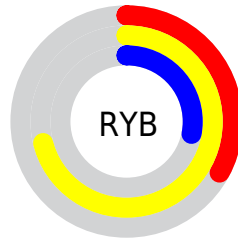
The XYZ color **33.9624, 38.1635, 11.5375** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.9300, 10.8212, 44.5344**, and the grayscale version is **33.8448, 35.6073, 38.7764**.

A 20% lighter version of the original color is **65.2227, 72.3826, 29.2725**, and **14.6511, 16.8133, 2.9633** is the 20% darker color. If you saturate the color by 10%, you get **33.1056, 37.2415, 8.8120**, and if you desaturate by 10%, it is **34.9977, 39.1687, 15.1675**.

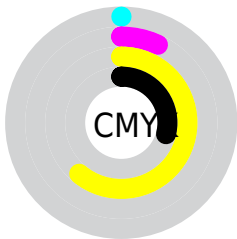
Distribution



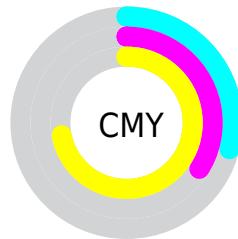
- Red (71%)
- Green (66%)
- Blue (28%)



- Red (33%)
- Yellow (71%)
- Blue (28%)



- Cyan (0%)
- Magenta (7%)
- Yellow (61%)
- Black (29%)



- Cyan (29%)
- Magenta (34%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9624, 38.1635, 11.5375 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 33.9624, 38.1635, 11.5375 by changing the saturation by 10% instead.

■ 33.9624, 38.1635,
11.5375

■ 33.9624, 38.1635,
11.5375

311.5532,
338.3208, 212.1870

■ 23.0275, 26.1096,
6.3109

■ 65.2199, 72.3587,
29.3016

■ 14.7346, 16.9057,
2.9632

■ 86.2731, 95.2687,
42.6762

■ 8.7184, 10.1673,
1.0759

■ 111.4299,
122.5663, 59.6038

■ 4.6136, 5.5100,
0.0000

■ 141.0554,
154.6358, 80.5031

■ 2.0548, 2.5495,
0.0000

■ 175.5152,
191.8616, 105.7925

■ 0.6645, 0.9013,
0.0000

215.1745,

■ 0.0000, 0.0000,

234.6281, 135.8906

0.0000

260.3987,
283.3197, 171.2159

■ 33.9624, 38.1635,
11.5375

■ 33.9624, 38.1635,
11.5375

■ 33.1056, 37.2415,
8.8120

■ 34.9977, 39.1687,
15.1675

■ 32.4089, 36.3910,
6.9064

■ 36.2225, 40.2572,
19.7720

■ 31.8548, 35.6063,
5.7242

■ 37.6501, 41.4358,
25.4165

■ 31.4263, 34.9112,
5.0822

■ 39.2918, 42.7091,
32.1605

■ 41.1580, 44.0813,
40.0587

■ 43.2584, 45.5562,
49.1625

■ 45.6022, 47.1377,
59.5199

■ 48.1982, 48.8292,
71.1764

■ 51.0544, 50.6340,
84.1752

Harmonies

Analogous

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



42.0783, 38.1635, 12.6001



33.9624, 38.1635, 11.5375



27.4862, 38.1635, 15.9062

Triad

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



33.9624, 38.1635, 11.5375



25.6089, 38.1635, 75.6032



52.5153, 38.1635, 59.4528

Complementary

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



33.9624, 38.1635, 11.5375



13.9300, 10.8212, 44.5344

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.



46.7580, 38.1635, 85.9078



33.9624, 38.1635, 11.5375



31.0283, 38.1635, 97.3588

Square

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



33.9624, 38.1635, 11.5375



23.1486, 38.1635, 48.6911



38.6866, 38.1635, 101.6974



53.6059, 38.1635, 35.1501

Rectangle

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



33.9624, 38.1635, 11.5375



24.6799, 38.1635, 22.7540



38.6866, 38.1635, 101.6974



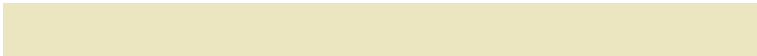
51.0251, 38.1635, 68.6009

Sweetspot

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



33.9633, 38.1653, 11.5383



71.9684, 77.9838, 61.3448



22.6650, 14.8458, 10.0009



15.3556, 16.7053, 12.4247



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.



33.9633, 38.1653, 11.5383



59.5285, 66.9422, 14.5366



27.9759, 38.5193, 11.9222



9.1156, 9.7437, 9.0528



21.9639, 24.4264, 3.5571



0.7137, 0.8138, 0.1195

Inverse Universe

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



13.9300, 10.8212, 44.5344



20.0410, 13.1062, 79.7681



17.2740, 11.2986, 44.4503



8.1148, 8.3758, 10.6953



5.9477, 2.6958, 30.3439



0.2114, 0.1333, 0.9628

Previews

White Background



This preview shows how the XYZ color 33.9624, 38.1635, 11.5375 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 33.9624, 38.1635, 11.5375 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 33.9624, 38.1635, 11.5375

Background



This preview shows how black text looks on a background with the XYZ color 33.9624, 38.1635, 11.5375.



This preview shows how white text looks on a background with the XYZ color 33.9624, 38.1635,

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

33.9624, 38.1635, 11.5375

Protanopia

34.7811, 38.0417, 11.4708

Deuteranopia

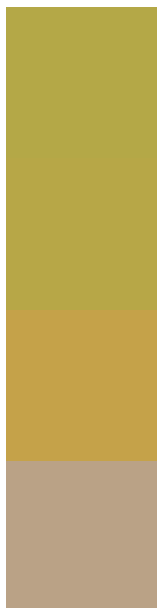
38.9165, 38.0699, 11.7757



Tritanopia

40.4688, 38.1748, 43.2657

Trichromacy



Original Color

33.9624, 38.1635, 11.5375

Protanomaly

34.4845, 38.1596, 11.5093

Deuteranomaly

37.1489, 38.1920, 11.7172

Tritanomaly

37.4731, 38.0010, 27.9141

Monochromacy



Original Color

33.9624, 38.1635, 11.5375

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.3202, 36.4343, 25.6984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9624, 38.1635, 11.5375 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(180, 168, 71)` looks like.

```
.text, #text, p{  
    color:rgb(180, 168, 71)  
}
```

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(180, 168, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 168, 71) }
```

Border

The CSS property to change the border of an element to XYZ 33.9624, 38.1635, 11.5375 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(180, 168, 71) }
```


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

```
.border{ border-color:rgb(180, 168, 71) }
```

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

Here you see how a box with a 4 pixel rgb(180, 168, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 168, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 168, 71);  
box-shadow:4px 4px 4px 4px rgb(180, 168,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9624, 38.1635, 11.5375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 168, 71) }
```

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

```
.background{ background-color: rgb(180,  
168, 71) }
```

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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