

Converting Colors

XYZ(37.7951, 43.9046, 25.2376)

Have a look what the booklet for
XYZ(37.7951, 43.9046, 25.2376)
contains.

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Color

**XYZ(37.7587, 43.8846,
25.2194)**

Conversions

Conversions Part 1

Format	Color
Hex	AEB67B
RGB	174, 182, 123
RGB Percent	68%, 71%, 48%
CMY	0.3176, 0.2863, 0.5176
CMYK	0.04, 0.00, 0.32, 0.29
HSL	68°, 29%, 60%
HSV	68°, 32%, 71%
XYZ	37.7587, 43.8846, 25.2194
YIQ	172.8820, 14.1710, -20.0450

Conversions

Conversions Part 2

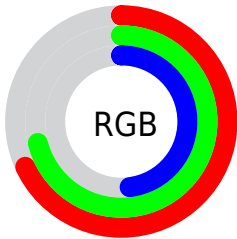
Format	Color
RYB	123, 182, 131
Decimal	11449979
CIELab	72.15, -12.40, 29.16
CIELCh	72, 31.687, 113.040
Yxy	43.8846, 0.3533, 0.4107
Android (android.graphics.Color)	4289640059 (0xFFAEB67B)
YUV	172.8820, -24.5918, 0.9805
Hunter-Lab	66.2455, -14.1878, 23.8003

Details

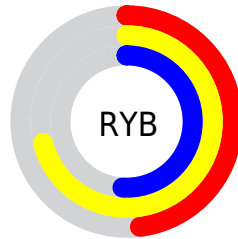
The XYZ color **37.7587, 43.8846, 25.2194** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.8881, 22.3697, 47.2644**, and the grayscale version is **39.7776, 41.8491, 45.5737**.

A 20% lighter version of the original color is **71.0441, 81.1067, 52.9850**, and **16.9380, 20.2465, 9.3186** is the 20% darker color. If you saturate the color by 10%, you get **36.1791, 43.1913, 19.7411**, and if you desaturate by 10%, it is **39.5625, 44.6718, 31.8157**.

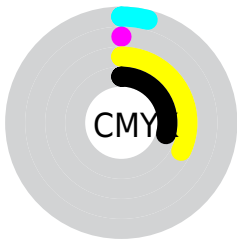
Distribution



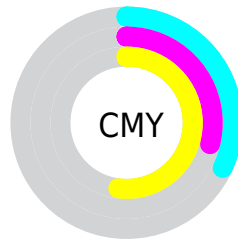
- Red (68%)
- Green (71%)
- Blue (48%)



- Red (48%)
- Yellow (71%)
- Blue (51%)



- Cyan (4%)
- Magenta (0%)
- Yellow (32%)
- Black (29%)



- Cyan (32%)
- Magenta (29%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7587, 43.8846, 25.2194 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 37.7587, 43.8846, 25.2194 by changing the saturation by 10% instead.

■ 37.7587, 43.8846,
25.2194

■ 37.7587, 43.8846,
25.2194

327.8825,
362.2372, 292.4114

■ 25.9718, 30.5798,
16.0201

■ 71.0444, 81.0441,
52.9815

■ 16.9351, 20.2791,
9.3839

■ 93.2740, 105.6675,
72.3813

■ 10.2833, 12.5981,
4.8922

■ 119.7151,
134.8326, 96.0184

■ 5.6509, 7.1524,
2.1265

150.7333,
168.9238, 124.3112

■ 2.6726, 3.5576,
0.6315

186.6937,
208.3255, 157.6784

■ 0.9831, 1.4293,
0.0000

227.9618,

■ 0.0000, 0.2382,

253.4220, 196.5385

0.0000

274.9030,
304.5978, 241.3100

■ 0.0000, 0.0000,
0.0000

■ 37.7587, 43.8846,
25.2194

■ 37.7587, 43.8846,
25.2194

■ 36.1791, 43.1913,
19.7411

■ 39.5625, 44.6718,
31.8157

■ 34.8085, 42.5813,
15.3160

■ 41.5981, 45.5513,
39.5843

■ 33.6351, 42.0513,
11.8771

■ 43.8767, 46.5292,
48.5794

■ 32.6445, 41.5955,
9.3485

■ 46.4079, 47.6094,
58.8511

■ 31.8200, 41.2074,
7.6432

■ 49.2007, 48.7954,
70.4464

■ 31.1419, 40.8789,
6.6574

■ 52.2637, 50.0906,
83.4103

■ 30.6950, 40.6575,
6.2299

■ 55.6050, 51.4984,
97.7853

■ 56.9635, 52.1143,
101.6645

■ 57.6014, 52.4432,
101.6944

Harmonies

Analogous

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



42.9884, 43.8846, 23.8325



37.7587, 43.8846, 25.2194



33.9158, 43.8846, 31.9717

Triad

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



37.7587, 43.8846, 25.2194



35.7459, 43.8846, 75.8631



52.9508, 43.8846, 51.4968

Complementary

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



37.7587, 43.8846, 25.2194



24.8881, 22.3697, 47.2644

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.



50.6175, 43.8846, 68.0992



37.7587, 43.8846, 25.2194



40.4591, 43.8846, 84.0122

Square

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



37.7587, 43.8846, 25.2194



32.8260, 43.8846, 60.4599



45.9299, 43.8846, 80.8996



52.0699, 43.8846, 37.0146

Rectangle

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



37.7587, 43.8846, 25.2194



32.5044, 43.8846, 39.5842



45.9299, 43.8846, 80.8996



52.5100, 43.8846, 57.0420

Sweetspot

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



37.7598, 43.8866, 25.2203



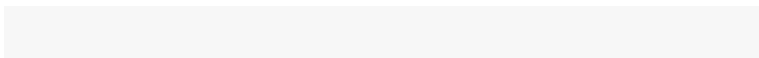
76.3029, 82.9626, 75.2325



30.9664, 27.5732, 22.4296



16.7299, 18.2709, 16.1360



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



37.7598, 43.8866, 25.2203



66.3403, 78.6331, 38.3326



31.9172, 40.8746, 24.9469



9.6272, 10.4399, 9.6146



21.7163, 28.7315, 4.4012



0.7990, 1.0301, 0.1567

Inverse Universe

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



24.8881, 22.3697, 47.2644



39.3270, 33.4597, 84.6213



30.0985, 25.0558, 47.5083



8.6314, 8.7763, 11.3185



6.2741, 2.5456, 31.4137



0.2578, 0.1086, 1.1091

Previews

White Background



This preview shows how the XYZ color 37.7587, 43.8846, 25.2194 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 37.7587, 43.8846, 25.2194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

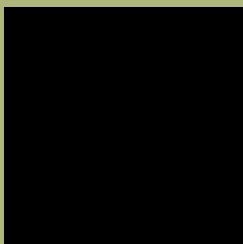
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

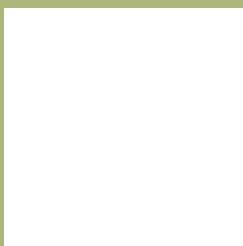
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7587, 43.8846, 25.2194

Background



This preview shows how black text looks on a background with the XYZ color 37.7587, 43.8846, 25.2194.



This preview shows how white text looks on a background with the XYZ color 37.7587, 43.8846,

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

37.7587, 43.8846, 25.2194

Protanopia

40.6592, 43.9011, 24.4200

Deuteranopia

44.5322, 43.5839, 25.8041



Tritanopia

43.5046, 43.8480, 53.7475

Trichromacy



Original Color

37.7587, 43.8846, 25.2194

Protanomaly

39.6405, 43.9596, 24.8081

Deuteranomaly

41.8637, 43.6231, 25.6157

Tritanomaly

41.0134, 43.7083, 41.3969

Monochromacy



Original Color

37.7587, 43.8846, 25.2194

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.6753, 42.3015, 37.1369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7587, 43.8846, 25.2194 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(174, 182, 123)` looks like.

```
.text, #text, p{  
    color:rgb(174, 182, 123)  
}
```

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(174, 182, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 182, 123) }
```

Border

The CSS property to change the border of an element to XYZ 37.7587, 43.8846, 25.2194 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(174, 182, 123) }
```


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

```
.border{ border-color:rgb(174, 182, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 182, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 182, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 182, 123);  
box-shadow:4px 4px 4px 4px rgb(174, 182,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7587, 43.8846, 25.2194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 182, 123) }
```

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

```
.background{ background-color: rgb(174,  
182, 123) }
```

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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