

Converting Colors

XYZ(35.9215, 41.1377, 24.8468)

Have a look what the booklet for
XYZ(35.9215, 41.1377, 24.8468)
contains.

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Color

**XYZ(35.8951, 41.1387,
24.7876)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB07B
RGB	171, 176, 123
RGB Percent	67%, 69%, 48%
CMY	0.3294, 0.3098, 0.5176
CMYK	0.03, 0.00, 0.30, 0.31
HSL	66°, 25%, 59%
HSV	66°, 30%, 69%
XYZ	35.8951, 41.1387, 24.7876
YIQ	168.4630, 14.0330, -17.5430

Conversions

Conversions Part 2

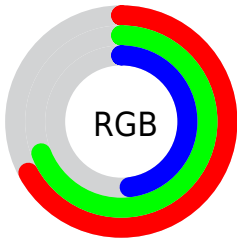
Format	Color
RYB	123, 176, 128
Decimal	11251835
CIELab	70.27, -10.45, 26.63
CIELCh	70, 28.605, 111.437
Yxy	41.1387, 0.3525, 0.4040
Android (android.graphics.Color)	4289441915 (0xFFABB07B)
YUV	168.4630, -22.4133, 2.2249
Hunter-Lab	64.1395, -12.3480, 21.9842

Details

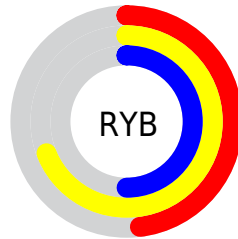
The XYZ color **35.8951, 41.1387, 24.7876** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.8231, 21.8908, 44.0464**, and the grayscale version is **37.5501, 39.5056, 43.0216**.

A 20% lighter version of the original color is **68.3716, 77.1787, 52.3677**, and **15.9149, 18.7613, 9.2610** is the 20% darker color. If you saturate the color by 10%, you get **34.5316, 40.5532, 19.4805**, and if you desaturate by 10%, it is **37.4633, 41.8095, 31.1399**.

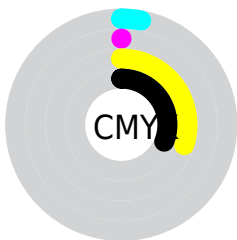
Distribution



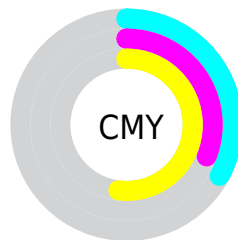
- Red (67%)
- Green (69%)
- Blue (48%)



- Red (48%)
- Yellow (69%)
- Blue (50%)



- Cyan (3%)
- Magenta (0%)
- Yellow (30%)
- Black (31%)





- Cyan (33%)
- Magenta (31%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8951, 41.1387, 24.7876 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 35.8951, 41.1387, 24.7876 by changing the saturation by 10% instead.


 35.8951, 41.1387,
24.7876


 35.8951, 41.1387,
24.7876


319.9411,
350.9000, 290.1923


 24.5229, 28.4275,
15.7013


 68.1951, 76.8944,
52.2723

 15.8488, 18.6481,
9.1610


 89.8535, 100.7077,
71.5077

 9.5074, 11.4163,
4.7481

 115.6715,
128.9904, 94.9633

 5.1333, 6.3476,
2.0441

146.0143,
162.1270, 123.0576

 2.3613, 3.0576,
0.5822

181.2473,
200.5019, 156.2091

 0.8257, 1.1619,
0.0000

221.7359,

 0.0000, 0.0302,

244.4994, 194.8363

0.0000

267.8453,
294.5040, 239.3579

■ 0.0000, 0.0000,
0.0000

■ 35.8951, 41.1387,
24.7876

■ 35.8951, 41.1387,
24.7876

■ 34.5316, 40.5532,
19.4805

■ 37.4633, 41.8095,
31.1399

■ 33.3591, 40.0432,
15.1602

■ 39.2431, 42.5640,
38.5867

■ 32.3671, 39.6058,
11.7663


■ 41.2445, 43.4077,
47.1770


■ 31.5425, 39.2360,
9.2310


■ 43.4763, 44.3441,
56.9563


■ 30.8707, 38.9278,
7.4768


■ 45.9466, 45.3764,
67.9676


 30.3345, 38.6743,
6.4129

 48.6632, 46.5078,
80.2517

 29.9011, 38.4630,
5.8481

 51.6335, 47.7412,
93.8475

 53.4140, 48.4992,
101.1538

 53.8153, 48.7061,
101.1726

Harmonies

Analogous

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



40.4601, 41.1387, 23.7904



35.8951, 41.1387, 24.7876



32.4614, 41.1387, 30.5378

Triad

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



35.8951, 41.1387, 24.7876



33.7416, 41.1387, 68.1904



48.7198, 41.1387, 48.7520

Complementary

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



35.8951, 41.1387, 24.7876



23.8231, 21.8908, 44.0464

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.



46.5895, 41.1387, 62.9107



35.8951, 41.1387, 24.7876



37.7729, 41.1387, 75.5146

Square

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



35.8951, 41.1387, 24.7876



31.2891, 41.1387, 54.9172



42.4925, 41.1387, 73.4101



48.1159, 41.1387, 35.9965

Rectangle

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



35.8951, 41.1387, 24.7876



31.1558, 41.1387, 37.0597



42.4925, 41.1387, 73.4101



48.2939, 41.1387, 53.5337

Sweetspot

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



35.8961, 41.1405, 24.7885



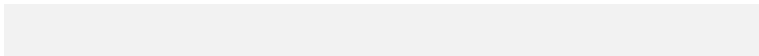
71.4996, 77.3319, 71.3792



29.1244, 25.9479, 22.2129



15.3890, 16.7142, 15.0186



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



35.8961, 41.1405, 24.7885



63.4471, 73.9007, 38.4747



30.7938, 38.5102, 24.5497



9.1164, 9.8651, 9.0762



21.9644, 28.2331, 4.2919



0.7139, 0.9001, 0.1361

Inverse Universe

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



23.8231, 21.8908, 44.0464



38.0842, 33.4523, 78.9450



28.2313, 24.1633, 44.2527



8.1139, 8.2673, 10.6744



5.9379, 2.3969, 30.2867



0.2110, 0.0879, 0.9541

Previews

White Background



This preview shows how the XYZ color 35.8951, 41.1387, 24.7876 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 35.8951, 41.1387, 24.7876 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

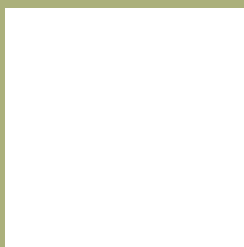
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8951, 41.1387, 24.7876

Background



This preview shows how black text looks on a background with the XYZ color 35.8951, 41.1387, 24.7876.



This preview shows how white text looks on a background with the XYZ color 35.8951, 41.1387,

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

35.8951, 41.1387, 24.7876

Protanopia

38.2113, 41.1998, 24.0276

Deuteranopia

41.6057, 40.7281, 25.0705



Tritanopia

40.8062, 40.8476, 49.9896

Trichromacy



Original Color

35.8951, 41.1387, 24.7876

Protanomaly

37.2788, 40.9956, 24.3605

Deuteranomaly

39.1266, 40.5369, 24.8310

Tritanomaly

38.6751, 40.8130, 39.5575

Monochromacy



Original Color

35.8951, 41.1387, 24.7876

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.5926, 39.8278, 35.4647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8951, 41.1387, 24.7876 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(171, 176, 123)` looks like.

```
.text, #text, p{  
    color:rgb(171, 176, 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(171, 176, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 176, 123) }
```

Border

The CSS property to change the border of an element to XYZ 35.8951, 41.1387, 24.7876 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(171, 176, 123) }
```


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

```
.border{ border-color:rgb(171, 176, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 176, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 176, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 176, 123);  
box-shadow:4px 4px 4px 4px rgb(171, 176,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8951, 41.1387, 24.7876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 176, 123) }
```

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

```
.background{ background-color: rgb(171,  
176, 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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