

Converting Colors

XYZ(47.6668, 51.3718, 37.2487)

Have a look what the booklet for
XYZ(47.6668, 51.3718, 37.2487)
contains.

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Color

**XYZ(47.6341, 51.2360,
37.0847)**

Conversions

Conversions Part 1

Format	Color
Hex	C7BE98
RGB	199, 190, 152
RGB Percent	78%, 75%, 60%
CMY	0.2196, 0.2549, 0.4039
CMYK	0.00, 0.05, 0.24, 0.22
HSL	49°, 30%, 69%
HSV	49°, 24%, 78%
XYZ	47.6341, 51.2360, 37.0847
YIQ	188.3590, 17.5620, -9.9100

Conversions

Conversions Part 2

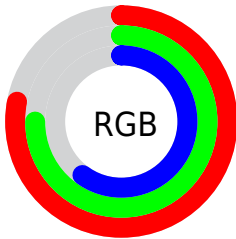
Format	Color
RYB	163, 199, 152
Decimal	13090456
CIELab	76.82, -2.94, 20.37
CIElCh	77, 20.576, 98.203
Yxy	51.2360, 0.3504, 0.3769
Android (android.graphics.Color)	4291280536 (0xFFC7BE98)
YUV	188.3590, -17.9250, 9.3322
Hunter-Lab	71.5793, -6.4769, 19.3878

Details

The XYZ color **47.6341, 51.2360, 37.0847** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.0023, 36.2877, 59.1397**, and the grayscale version is **48.0970, 50.6018, 55.1054**.

A 20% lighter version of the original color is **85.3363, 91.6278, 71.5807**, and **22.9717, 24.8506, 15.8978** is the 20% darker color. If you saturate the color by 10%, you get **45.3254, 49.0115, 28.9375**, and if you desaturate by 10%, it is **50.2406, 53.6177, 46.6815**.

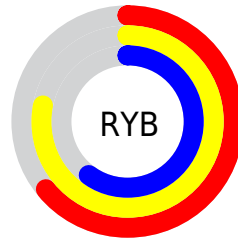
Distribution



Red (78%)

Green (75%)

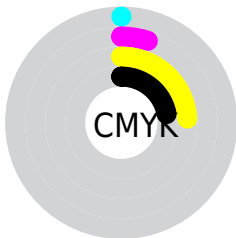
Blue (60%)



Red (64%)

Yellow (78%)

Blue (60%)

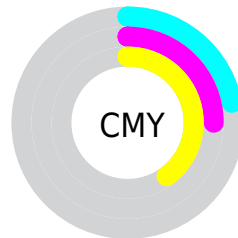


Cyan (0%)

Magenta (5%)

Yellow (24%)

Black (22%)



Cyan (22%)


Magenta (25%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6341, 51.2360, 37.0847 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 47.6341, 51.2360, 37.0847 by changing the saturation by 10% instead.


 47.6341, 51.2360,
37.0847


 47.6341, 51.2360,
37.0847


367.9467,
391.4800, 348.8568

 33.7473, 36.3965,
24.9768


 85.8724, 92.0035,
71.8908

 22.8615, 24.7405,
15.8409


 110.9545,
118.7003, 95.4261

 14.6114, 15.8839,
9.2585

140.4991,
150.1183, 123.6076

 8.6316, 9.4420,
4.8111

174.8715,
186.6419, 156.8538

 4.5569, 5.0306,
2.0800

214.4372,
228.6554, 195.5833

 2.0218, 2.2652,
0.6039

259.5613,

 0.6461, 0.7552,

276.5434, 240.2146

0.0000

310.6094,
330.6901, 291.1662

■ 0.0000, 0.0000,
0.0000

■ 47.6341, 51.2360,
37.0847

■ 47.6341, 51.2360,
37.0847

■ 45.3254, 49.0115,
28.9375

■ 50.2406, 53.6177,
46.6815

■ 43.2966, 46.9314,
22.1648

■ 53.1536, 56.1549,
57.7915

■ 41.5341, 44.9918,
16.6897

■ 56.3866, 58.8552,
70.4785

■ 40.0214, 43.1858,
12.4261

■ 59.9510, 61.7233,
84.8017

■ 38.7401, 41.5059,
9.2780

■ 63.8575, 64.7637,
100.8170

■ 37.6689, 39.9431,
7.1342

■ 65.3617, 66.8789,
104.0717

■ 36.7823, 38.4871,
5.8609

■ 66.3301, 68.8159,
104.3946

■ 36.2829, 37.6015,
5.3455

■ 67.3213, 70.7982,
104.7249

■ 68.3352, 72.8260,
105.0629

Harmonies

Analogous

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



51.5418, 51.2360, 38.0979



47.6341, 51.2360, 37.0847



44.1978, 51.2360, 40.5288

Triad

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



47.6341, 51.2360, 37.0847



43.0294, 51.2360, 70.1814



56.0130, 51.2360, 64.1649

Complementary

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



47.6341, 51.2360, 37.0847



36.0023, 36.2877, 59.1397

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.



53.4944, 51.2360, 74.4627



47.6341, 51.2360, 37.0847



45.9613, 51.2360, 78.2470

Square

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



47.6341, 51.2360, 37.0847



41.6338, 51.2360, 58.9142



49.7782, 51.2360, 79.9105



56.5199, 51.2360, 52.7731

Rectangle

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



47.6341, 51.2360, 37.0847



42.5875, 51.2360, 45.1999



49.7782, 51.2360, 79.9105



55.3673, 51.2360, 67.9109

Sweetspot

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



47.6354, 51.2383, 37.0858



91.2278, 96.7428, 94.1007



41.2502, 37.1865, 38.9077



19.4588, 20.6483, 19.8822



0.0000, 0.0000, 0.0000



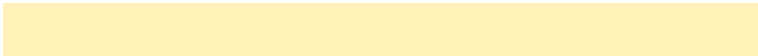
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6354, 51.2383, 37.0858



81.4043, 87.8128, 57.7870



46.0747, 53.4160, 37.5884



11.3447, 12.0586, 11.2924



23.3917, 24.3006, 3.4576



1.1532, 1.2419, 0.1789

Inverse Universe

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



36.0023, 36.2877, 59.1397



57.7481, 57.4142, 102.6461



37.2844, 34.6985, 58.7654



10.2183, 10.6106, 13.4270



7.1250, 3.6438, 35.0722



0.3880, 0.2739, 1.6776

Previews

White Background



This preview shows how the XYZ color 47.6341, 51.2360, 37.0847 looks on a white background.

Color Contrast Check

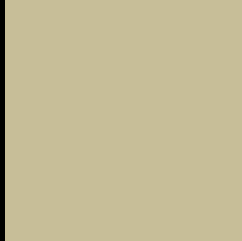
Large Text (above 18pt) WCAG AA × Fail

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 47.6341, 51.2360, 37.0847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

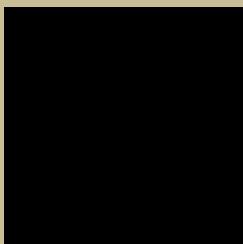
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

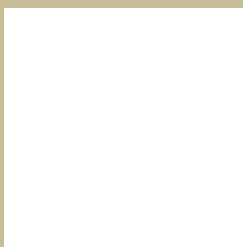
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6341, 51.2360, 37.0847

Background



This preview shows how black text looks on a background with the XYZ color 47.6341, 51.2360, 37.0847.



This preview shows how white text looks on a background with the XYZ color 47.6341, 51.2360,

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

47.6341, 51.2360, 37.0847

Protanopia

47.9525, 51.0797, 37.0378

Deuteranopia

52.0759, 51.0046, 37.6720



Tritanopia

52.5104, 51.3373, 60.5676

Trichromacy



Original Color

47.6341, 51.2360, 37.0847

Protanomaly

47.6845, 50.9416, 37.0252

Deuteranomaly

50.2501, 50.9949, 37.3315

Tritanomaly

50.5280, 51.1505, 50.9260

Monochromacy



Original Color

47.6341, 51.2360, 37.0847

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.6737, 50.6968, 47.8302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6341, 51.2360, 37.0847 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(199, 190, 152)` looks like.

```
.text, #text, p{  
    color:rgb(199, 190, 152)  
}
```

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(199, 190, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 190, 152) }
```

Border

The CSS property to change the border of an element to XYZ 47.6341, 51.2360, 37.0847 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(199, 190, 152) }
```


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

```
.border{ border-color:rgb(199, 190, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 190, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 190, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 190, 152);  
box-shadow:4px 4px 4px 4px rgb(199, 190,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6341, 51.2360, 37.0847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 190, 152) }
```

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

```
.background{ background-color: rgb(199,  
190, 152) }
```

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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