

Converting Colors

XYZ(40.0542, 47.8897, 30.7176)

Have a look what the booklet for
XYZ(40.0542, 47.8897, 30.7176)
contains.

XYZ(39.9407, 47.7257, 30.7738)	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(39.9407, 47.7257,
30.7738)**

Conversions

Conversions Part 1

Format	Color
Hex	ABBF89
RGB	171, 191, 137
RGB Percent	67%, 75%, 54%
CMY	0.3294, 0.2510, 0.4627
CMYK	0.10, 0.00, 0.28, 0.25
HSL	82°, 30%, 64%
HSV	82°, 28%, 75%
XYZ	39.9407, 47.7257, 30.7738
YIQ	178.8640, 5.4140, -21.0340

Conversions

Conversions Part 2

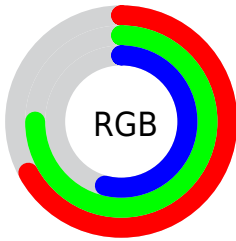
Format	Color
RYB	137, 191, 157
Decimal	11255689
CIELab	74.65, -16.23, 25.04
CIELCh	75, 29.844, 122.946
Yxy	47.7257, 0.3372, 0.4030
Android (android.graphics.Color)	4289445769 (0xFFABBF89)
YUV	178.8640, -20.6390, -6.8967
Hunter-Lab	69.0838, -17.6971, 21.9476

Details

The XYZ color **39.9407, 47.7257, 30.7738** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.2563, 28.8224, 53.1561**, and the grayscale version is **42.8808, 45.1139, 49.1290**.

A 20% lighter version of the original color is **74.3433, 86.6140, 62.0901**, and **18.2800, 22.7166, 12.4381** is the 20% darker color. If you saturate the color by 10%, you get **37.1903, 46.4538, 24.1152**, and if you desaturate by 10%, it is **43.0187, 49.1414, 38.7158**.

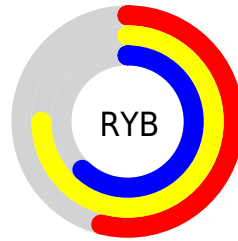
Distribution



Red (67%)

Green (75%)

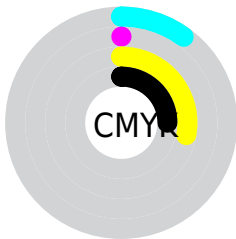
Blue (54%)



Red (54%)

Yellow (75%)

Blue (62%)

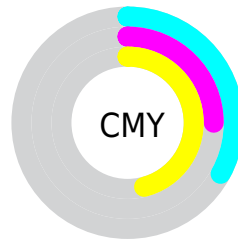


Cyan (10%)

Magenta (0%)

Yellow (28%)

Black (25%)



Cyan (33%)

Magenta (25%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9407, 47.7257, 30.7738 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 39.9407, 47.7257, 30.7738 by changing the saturation by 10% instead.


 39.9407, 47.7257,
30.7738


 39.9407, 47.7257,
30.7738


337.0123,
377.7038, 319.8137


 27.6763, 33.6097,
20.1696


 74.3581, 86.7959,
61.9592

 18.2210, 22.5939,
12.3331


 97.2419, 112.5188,
83.3775

 11.2094, 14.2940,
6.8457


 124.3961,
142.8796, 109.2375

 6.2762, 8.3254,
3.2888

156.1862,
178.2625, 139.9579

 3.0560, 4.3039,
1.2439

192.9775,
219.0520, 175.9572

 1.1834, 1.8450,
0.0152

235.1354,

 0.0932, 0.5150,

265.6324, 217.6539

0.0000

283.0252,
318.3883, 265.4666

■ 0.0000, 0.0000,
0.0000

■ 39.9407, 47.7257,
30.7738

■ 39.9407, 47.7257,
30.7738

■ 37.1903, 46.4538,
24.1152

■ 43.0187, 49.1414,
38.7158

■ 34.7496, 45.3136,
18.6694

■ 46.4337, 50.6999,
48.0007

■ 32.6048, 44.3010,
14.3640


■ 50.1992, 52.4084,
58.6877


■ 30.7389, 43.4090,
11.1173


■ 54.3268, 54.2718,
70.8320

■ 29.1330, 42.6300,
8.8368


■ 58.8276, 56.2945,
84.4853


 27.7651, 41.9549,
7.4141


 63.7121, 58.4809,
99.6973

 26.6013, 41.3700,
6.6779

 66.3573, 59.7819,
102.6494

 26.4122, 41.2746,
6.5747

 68.5513, 60.9130,
102.7521

 70.8371, 62.0914,
102.8591

Harmonies

Analogous

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



44.8298, 47.7257, 27.5457



39.9407, 47.7257, 30.7738



36.7206, 47.7257, 39.5678

Triad

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



39.9407, 47.7257, 30.7738



40.7967, 47.7257, 83.2390



56.5539, 47.7257, 50.4503

Complementary

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



39.9407, 47.7257, 30.7738



32.2563, 28.8224, 53.1561

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.



55.2624, 47.7257, 66.7143



39.9407, 47.7257, 30.7738



45.8981, 47.7257, 87.7225

Square

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



39.9407, 47.7257, 30.7738



37.1865, 47.7257, 69.8934



51.2526, 47.7257, 81.1622



54.6553, 47.7257, 37.3992

Rectangle

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



39.9407, 47.7257, 30.7738



35.8087, 47.7257, 48.3946



51.2526, 47.7257, 81.1622



56.4787, 47.7257, 55.7072

Sweetspot

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



39.9419, 47.7278, 30.7748



83.2527, 90.8417, 86.2267



38.0262, 36.9305, 28.7917



18.0677, 19.8507, 18.3417



92.9021, 97.7402, 106.4391



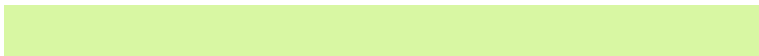
19.4759, 20.4902, 22.3138

Same Dimension

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



39.9419, 47.7278, 30.7748



68.3783, 84.0181, 47.3815



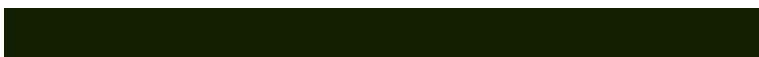
34.6843, 45.0174, 30.5288



9.9703, 10.9391, 10.1626



17.4481, 27.1707, 4.3249



0.7534, 1.1003, 0.1727

Inverse Universe

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



32.2563, 28.8224, 53.1561



52.3364, 44.5436, 94.1185



38.0707, 31.8198, 53.4282



9.3414, 9.3928, 11.9929



7.9582, 3.3887, 32.6275



0.3846, 0.1703, 1.2815

Previews

White Background



This preview shows how the XYZ color 39.9407, 47.7257, 30.7738 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 39.9407, 47.7257, 30.7738 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

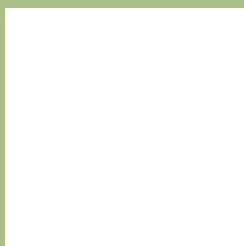
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9407, 47.7257, 30.7738

Background



This preview shows how black text looks on a background with the XYZ color 39.9407, 47.7257, 30.7738.



This preview shows how white text looks on a background with the XYZ color 39.9407, 47.7257,

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

39.9407, 47.7257, 30.7738

Protanopia

44.2625, 47.4585, 29.3818

Deuteranopia

48.2833, 47.3912, 31.4136



Tritanopia

45.9489, 47.6475, 60.2012

Trichromacy



Original Color

39.9407, 47.7257, 30.7738

Protanomaly

42.6711, 47.5584, 29.8524

Deuteranomaly

44.7373, 47.0539, 31.1505

Tritanomaly

43.5268, 47.5995, 47.9678

Monochromacy



Original Color

39.9407, 47.7257, 30.7738

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.5388, 45.7774, 41.7686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9407, 47.7257, 30.7738 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, 191, 137)` looks like.

```
.text, #text, p{  
    color:rgb(171, 191, 137)  
}
```

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, 191, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 191, 137) }
```

Border

The CSS property to change the border of an element to XYZ 39.9407, 47.7257, 30.7738 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, 191, 137) }
```


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

```
.border{ border-color:rgb(171, 191, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 191, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 191, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 191, 137);  
box-shadow:4px 4px 4px 4px rgb(171, 191,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9407, 47.7257, 30.7738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 191, 137) }
```

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

```
.background{ background-color: rgb(171,  
191, 137) }
```

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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