

Converting Colors

XYZ(41.6668, 47.3672, 25.2866)

Have a look what the booklet for
XYZ(41.6668, 47.3672, 25.2866)
contains.

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Color

**XYZ(41.7767, 47.5106,
25.3809)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBB7A
RGB	187, 187, 122
RGB Percent	73%, 73%, 48%
CMY	0.2667, 0.2666, 0.5216
CMYK	0.00, 0.00, 0.35, 0.27
HSL	60°, 32%, 61%
HSV	60°, 35%, 73%
XYZ	41.7767, 47.5106, 25.3809
YIQ	179.5900, 20.8650, -20.2150

Conversions

Conversions Part 2

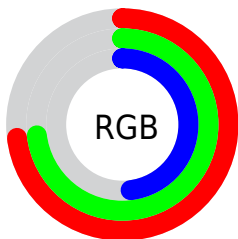
Format	Color
RYB	122, 187, 122
Decimal	12303226
CIELab	74.52, -9.99, 32.97
CIELCh	75, 34.454, 106.855
Yxy	47.5106, 0.3643, 0.4143
Android (android.graphics.Color)	4290493306 (0xFFBBBB7A)
YUV	179.5900, -28.3919, 6.4986
Hunter-Lab	68.9279, -12.4364, 26.4176

Details

The XYZ color **41.7767, 47.5106, 25.3809** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.9569, 21.6456, 49.9319**, and the grayscale version is **43.3031, 45.5582, 49.6129**.

A 20% lighter version of the original color is **77.0967, 86.4294, 53.1766**, and **19.3677, 22.5046, 9.4539** is the 20% darker color. If you saturate the color by 10%, you get **40.7279, 47.0927, 19.8546**, and if you desaturate by 10%, it is **43.0509, 48.0220, 32.0835**.

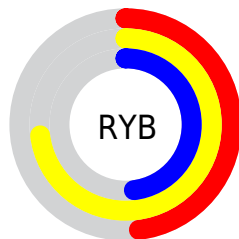
Distribution



Red (73%)

Green (73%)

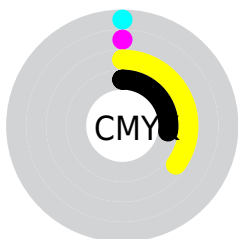
Blue (48%)



Red (48%)

Yellow (73%)

Blue (48%)

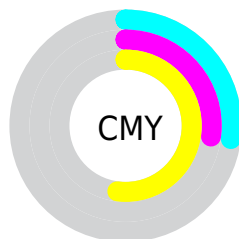


Cyan (0%)

Magenta (0%)

Yellow (35%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7767, 47.5106, 25.3809 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 41.7767, 47.5106, 25.3809 by changing the saturation by 10% instead.

■ 41.7767, 47.5106,
25.3809

■ 41.7767, 47.5106,
25.3809

344.5638,
376.8490, 293.2377

■ 29.1168, 33.4395,
16.1395

■ 77.1288, 86.4753,
53.2462

■ 19.3139, 22.4633,
9.4675

■ 100.5518,
112.1377, 72.7072

■ 12.0027, 14.1977,
4.9464

■ 128.2932,
142.4326, 96.4118

■ 6.8177, 8.2583,
2.1576

160.7184,
177.7444, 124.7786

■ 3.3937, 4.2607,
0.6498

198.1927,
218.4576, 158.2260

■ 1.3652, 1.8204,
0.0000

241.0814,

■ 0.2312, 0.4999,

264.9564, 197.1726

0.0000

289.7500,
317.6255, 242.0370

■ 0.0000, 0.0000,
0.0000

■ 41.7767, 47.5106,
25.3809

■ 41.7767, 47.5106,
25.3809

■ 40.7279, 47.0927,
19.8546

■ 43.0509, 48.0220,
32.0835

■ 39.8881, 46.7568,
15.4341

■ 44.5586, 48.6251,
40.0216

■ 39.2443, 46.4992,
12.0457


■ 46.3122, 49.3266,
49.2540

■ 38.7807, 46.3137,
9.6060


■ 48.3219, 50.1305,
59.8349


■ 38.4788, 46.1929,
8.0183

■ 50.5973, 51.0407,
71.8153


 38.3166, 46.1280,
7.1655

 53.1477, 52.0609,
85.2438

 38.2627, 46.1064,
6.8828

 55.9819, 53.1946,
100.1665

 56.3177, 53.3290,
101.9330

 56.3180, 53.3292,
101.9330

Harmonies

Analogous

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



47.9331, 47.5106, 25.0255



41.7767, 47.5106, 25.3809



36.9790, 47.5106, 31.6602

Triad

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



41.7767, 47.5106, 25.3809



37.4604, 47.5106, 80.9724



57.8378, 47.5106, 59.9205

Complementary

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



41.7767, 47.5106, 25.3809



23.9569, 21.6456, 49.9319

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.



54.4606, 47.5106, 78.8764



41.7767, 47.5106, 25.3809



42.4910, 47.5106, 92.7822

Square

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



41.7767, 47.5106, 25.3809



34.6484, 47.5106, 62.3147



48.7157, 47.5106, 91.9374



57.6017, 47.5106, 42.4190

Rectangle

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



41.7767, 47.5106, 25.3809



35.0260, 47.5106, 39.3987



48.7157, 47.5106, 91.9374



57.0753, 47.5106, 66.4005

Sweetspot

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



41.7779, 47.5128, 25.3819



81.1880, 87.6376, 78.9835



30.9675, 25.8901, 21.7781



17.7829, 19.2608, 16.8876



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



41.7779, 47.5128, 25.3819



73.2988, 84.4817, 37.4500



34.7068, 43.8675, 25.0510



10.3222, 11.1205, 10.1791



26.3618, 31.7659, 4.7420



1.0326, 1.2443, 0.1857

Inverse Universe

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



23.9569, 21.6456, 49.9319



36.4184, 30.9500, 88.2559



29.3524, 24.4271, 50.1844



9.0166, 9.2254, 11.9777



6.1803, 2.4721, 32.5443



0.2421, 0.0968, 1.2748

Previews

White Background



This preview shows how the XYZ color 41.7767, 47.5106, 25.3809 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 41.7767, 47.5106, 25.3809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

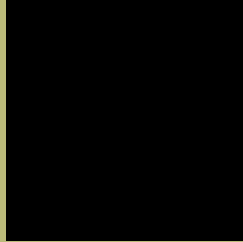
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7767, 47.5106, 25.3809

Background



This preview shows how black text looks on a background with the XYZ color 41.7767, 47.5106, 25.3809.



This preview shows how white text looks on a background with the XYZ color 41.7767, 47.5106,

25.3809.

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

41.7767, 47.5106, 25.3809

Protanopia

43.8768, 47.3652, 24.5991

Deuteranopia

48.2451, 47.2007, 25.9699



Tritanopia

47.9405, 47.2487, 56.4623

Trichromacy



Original Color

41.7767, 47.5106, 25.3809

Protanomaly

43.0974, 47.2636, 24.9405

Deuteranomaly

45.4903, 46.9608, 25.7355

Tritanomaly

45.2372, 47.0442, 43.2554

Monochromacy



Original Color

41.7767, 47.5106, 25.3809

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.7199, 46.4375, 39.5126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7767, 47.5106, 25.3809 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(187, 187, 122)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 122)  
}
```

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(187, 187, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 122) }
```

Border

The CSS property to change the border of an element to XYZ 41.7767, 47.5106, 25.3809 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(187, 187, 122) }
```


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

```
.border{ border-color:rgb(187, 187, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 187, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 122);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7767, 47.5106, 25.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 122) }
```

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

```
.background{ background-color: rgb(187,  
187, 122) }
```

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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