

Converting Colors

XYZ(36.2976, 49.1268, 41.5223)

Have a look what the booklet for
XYZ(36.2976, 49.1268, 41.5223)
contains.

XYZ(36.3103, 48.9711, 41.7210)	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(36.3103, 48.9711,
41.7210)**

Conversions

Conversions Part 1

Format	Color
Hex	80C9A2
RGB	128, 201, 162
RGB Percent	50%, 79%, 64%
CMY	0.4980, 0.2117, 0.3647
CMYK	0.36, 0.00, 0.19, 0.21
HSL	148°, 40%, 65%
HSV	148°, 36%, 79%
XYZ	36.3103, 48.9711, 41.7210
YIQ	174.7270, -30.9890, -27.6050

Conversions

Conversions Part 2

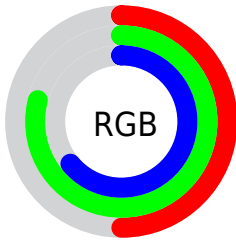
Format	Color
RYB	128, 178, 201
Decimal	8440226
CIELab	75.43, -31.31, 12.38
CIElCh	75, 33.668, 158.428
Yxy	48.9711, 0.2859, 0.3856
Android (android.graphics.Color)	4286630306 (0xFF80C9A2)
YUV	174.7270, -6.2744, -40.9796
Hunter-Lab	69.9794, -29.8453, 13.6374

Details

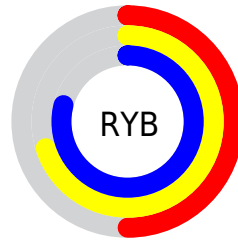
The XYZ color **36.3103, 48.9711, 41.7210** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.7833, 30.6470, 40.4325**, and the grayscale version is **40.6503, 42.7673, 46.5736**.

A 20% lighter version of the original color is **67.8128, 86.5970, 78.7864**, and **16.1498, 23.4891, 18.4345** is the 20% darker color. If you saturate the color by 10%, you get **32.6672, 47.2000, 36.7789**, and if you desaturate by 10%, it is **40.6365, 51.0876, 47.1228**.

Distribution



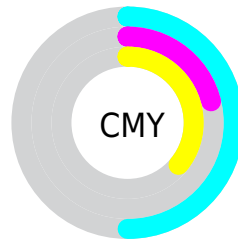
- Red (50%)
- Green (79%)
- Blue (64%)



- Red (50%)
- Yellow (70%)
- Blue (79%)



- Cyan (36%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)





- Cyan (50%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3103, 48.9711, 41.7210 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 36.3103, 48.9711, 41.7210 by changing the saturation by 10% instead.


 36.3103, 48.9711,
41.7210


 36.3103, 48.9711,
41.7210


321.7224,
382.6285, 369.0906


 24.8452, 34.5966,
28.5590


 68.8315, 88.6485,
79.0427

 16.0898, 23.3523,
18.5047


 90.6182, 114.7202,
104.0395

 9.6790, 14.8538,
11.1398


 116.5762,
145.4597, 133.8182

 5.2473, 8.7169,
6.0456

147.0708,
181.2514, 168.7975

 2.4293, 4.5570,
2.8036

182.4674,
222.4798, 209.3958

 0.8597, 1.9897,
0.9952

223.1313,

 0.0000, 0.6015,

269.5292, 256.0317

0.0000

269.4278,
322.7839, 309.1238

■ 0.0000, 0.0000,
0.0000

■ 36.3103, 48.9711,
41.7210

■ 36.3103, 48.9711,
41.7210

■ 32.6672, 47.2000,
36.7789

■ 40.6365, 51.0876,
47.1228

■ 29.6656, 45.7490,
32.2809

■ 45.6764, 53.5611,
52.9927

■ 27.2655, 44.5992,
28.2150


■ 51.4634, 56.4098,
59.3433

■ 25.4202, 43.7268,
24.5676


■ 58.0278, 59.6492,
66.1855


■ 24.0760, 43.1042,
21.3243

■ 65.3979, 63.2937,
73.5299


 23.1644, 42.6965,
18.4691

 73.6007, 67.3570,
81.3868

 22.8907, 42.5763,
17.5110

 77.4390, 69.1597,
89.5216

 79.0573, 69.8070,
98.0432

 80.1775, 70.2551,
103.9425

Harmonies

Analogous

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



39.5182, 48.9711, 30.7862



36.3103, 48.9711, 41.7210



35.7147, 48.9711, 58.4868

Triad

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



36.3103, 48.9711, 41.7210



48.3159, 48.9711, 94.7574



56.5297, 48.9711, 34.7816

Complementary

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



36.3103, 48.9711, 41.7210



38.7833, 30.6470, 40.4325

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.



59.3707, 48.9711, 48.4691



36.3103, 48.9711, 41.7210



54.3603, 48.9711, 84.8114

Square

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



36.3103, 48.9711, 41.7210



42.2960, 48.9711, 91.8189



58.5434, 48.9711, 66.8940



51.0706, 48.9711, 27.4432

Rectangle

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



36.3103, 48.9711, 41.7210



36.8236, 48.9711, 71.2942



58.5434, 48.9711, 66.8940



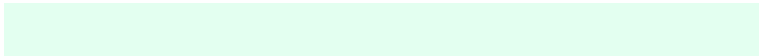
57.8437, 48.9711, 38.6552

Sweetspot

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



36.3116, 48.9731, 41.7221



83.1530, 94.1349, 96.2362



40.9650, 51.6753, 28.2379



17.5087, 20.0063, 20.2799



0.0000, 0.0000, 0.0000



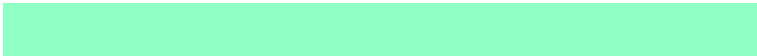
20.3446, 21.4041, 23.3091

Same Dimension

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



36.3116, 48.9731, 41.7221



56.9097, 81.2845, 64.3529



39.9085, 50.4119, 60.6632



10.6996, 11.9687, 12.3681



14.4375, 26.7874, 11.2486



0.7201, 1.2830, 0.7248

Inverse Universe

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



38.7833, 30.6470, 40.4325



61.7815, 45.1445, 61.7977



35.9489, 29.5133, 25.5070



10.8667, 10.7301, 12.2816



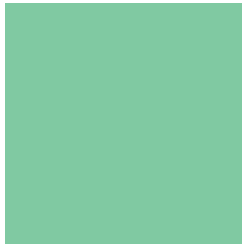
16.8734, 8.4989, 9.8090



0.8353, 0.4170, 0.6558

Previews

White Background



This preview shows how the XYZ color 36.3103, 48.9711, 41.7210 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 36.3103, 48.9711, 41.7210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

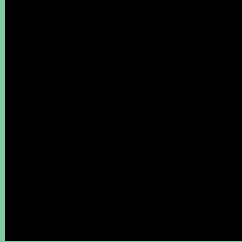
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3103, 48.9711, 41.7210

Background



This preview shows how black text looks on a background with the XYZ color 36.3103, 48.9711, 41.7210.



This preview shows how white text looks on a background with the XYZ color 36.3103, 48.9711,

41.7210.

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

36.3103, 48.9711, 41.7210

Protanopia

45.6874, 48.6331, 37.5510

Deuteranopia

49.1899, 48.1861, 43.2675



Tritanopia

41.5721, 48.7257, 68.1867

Trichromacy



Original Color

36.3103, 48.9711, 41.7210

Protanomaly

41.5112, 48.3539, 39.0436

Deuteranomaly

43.1728, 47.5377, 42.4976

Tritanomaly

39.5836, 48.9337, 57.8109

Monochromacy



Original Color

36.3103, 48.9711, 41.7210

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

38.4967, 44.4524, 44.5814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3103, 48.9711, 41.7210 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(128, 201, 162)` looks like.

```
.text, #text, p{  
    color:rgb(128, 201, 162)  
}
```

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(128, 201, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 201, 162) }
```

Border

The CSS property to change the border of an element to XYZ 36.3103, 48.9711, 41.7210 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(128, 201, 162) }
```


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

```
.border{ border-color:rgb(128, 201, 162) }
```

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

Here you see how a box with a 4 pixel rgb(128, 201, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 201, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 201, 162);  
box-shadow:4px 4px 4px 4px rgb(128, 201,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3103, 48.9711, 41.7210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 201, 162) }
```

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

```
.background{ background-color: rgb(128,  
201, 162) }
```

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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