

Converting Colors

XYZ(36.9818, 60.3872, 40.8202)

Have a look what the booklet for
XYZ(36.9818, 60.3872, 40.8202)
contains.

XYZ(36.9609, 60.3767, 40.7162)	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(36.9609, 60.3767,
40.7162)**

Conversions

Conversions Part 1

Format	Color
Hex	49E69B
RGB	73, 230, 155
RGB Percent	29%, 90%, 61%
CMY	0.7137, 0.0980, 0.3921
CMYK	0.68, 0.00, 0.33, 0.10
HSL	151°, 76%, 59%
HSV	151°, 68%, 90%
XYZ	36.9609, 60.3767, 40.7162
YIQ	174.5070, -69.4970, -56.6090

Conversions

Conversions Part 2

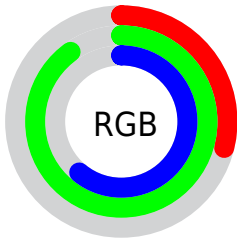
Format	Color
RYB	73, 176, 230
Decimal	4843163
CIELab	82.04, -57.64, 24.95
CIELCh	82, 62.811, 156.596
Yxy	60.3767, 0.2677, 0.4373
Android (android.graphics.Color)	4283033243 (0xFF49E69B)
YUV	174.5070, -9.6170, -89.0216
Hunter-Lab	77.7024, -51.0718, 23.3237

Details

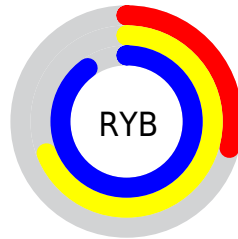
The XYZ color **36.9609, 60.3767, 40.7162** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **40.3630, 23.7276, 30.4719**, and the grayscale version is **40.5682, 42.6809, 46.4795**.

A 20% lighter version of the original color is **58.0403, 81.6621, 73.6761**, and **17.3918, 30.8664, 17.8731** is the 20% darker color. If you saturate the color by 10%, you get **34.6487, 59.2881, 36.0090**, and if you desaturate by 10%, it is **40.0043, 61.8357, 45.8986**.

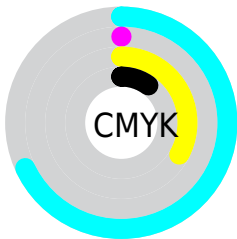
Distribution



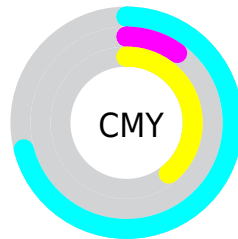
- Red (29%)
- Green (90%)
- Blue (61%)



- Red (29%)
- Yellow (69%)
- Blue (90%)



- Cyan (68%)
- Magenta (0%)
- Yellow (33%)
- Black (10%)





- Cyan (71%)
- Magenta (10%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9609, 60.3767, 40.7162 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 36.9609, 60.3767, 40.7162 by changing the saturation by 10% instead.


 36.9609, 60.3767,
40.7162


 36.9609, 60.3767,
40.7162


324.4997,
425.9849, 364.7745


 25.3508, 43.7223,
27.7794


 69.8269, 105.3759,
77.5019


 16.4687, 30.4523,
17.9218


 91.8134, 134.4896,
102.1878

 9.9494, 20.1821,
10.7250


 117.9894,
168.5251, 131.6272

 5.4274, 12.5275,
5.7704

 148.7203,
207.8669, 166.2385

 2.5375, 7.1040,
2.6395

184.3715,
252.8994, 206.4404

 0.9142, 3.5272,
0.9127

225.3082,

 0.0000, 1.4128,

304.0070, 252.6513

0.0000

271.8958,
361.5740, 305.2898

■ 0.0000, 0.2261,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.9609, 60.3767,
40.7162

■ 36.9609, 60.3767,
40.7162

■ 34.6487, 59.2881,
36.0090

■ 40.0043, 61.8357,
45.8986

■ 32.9855, 58.5231,
31.7576


■ 43.8399, 63.6916,
51.5664


■ 31.8633, 58.0278,
27.9462


■ 48.5275, 65.9765,
57.7345


■ 31.6958, 57.9550,
27.3256


■ 54.1195, 68.7171,
64.4156

 60.6639, 71.9382,
71.6223

 68.2054, 75.6623,
79.3662

 76.7854, 79.9109,
87.6589

 85.7011, 84.3211,
96.4766

 87.4100, 85.0047,
105.4755

Harmonies

Analogous

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



43.4433, 60.3767, 22.7112



36.9609, 60.3767, 40.7162



35.5359, 60.3767, 74.5220

Triad

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



36.9609, 60.3767, 40.7162



60.3759, 60.3767, 168.7139



80.4788, 60.3767, 31.0148

Complementary

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



36.9609, 60.3767, 40.7162



40.3630, 23.7276, 30.4719

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.



86.7426, 60.3767, 57.6765



36.9609, 60.3767, 40.7162



74.0326, 60.3767, 143.8727

Square

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



36.9609, 60.3767, 40.7162



47.8106, 60.3767, 158.5334



84.2178, 60.3767, 99.3563



68.1620, 60.3767, 18.8138

Rectangle

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



36.9609, 60.3767, 40.7162



37.4119, 60.3767, 104.3084



84.2178, 60.3767, 99.3563



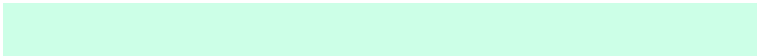
83.4423, 60.3767, 38.0870

Sweetspot

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



36.9625, 60.3791, 40.7176



75.0343, 90.1064, 88.7699



41.8745, 63.4559, 16.3452



15.5472, 19.0337, 18.4424



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.



36.9625, 60.3791, 40.7176



42.8078, 74.4688, 43.1762



44.6066, 62.2803, 84.5362



14.5022, 16.2143, 16.9091



18.0059, 32.8345, 15.7975



1.3775, 2.4451, 1.4143

Inverse Universe

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



40.3630, 23.7276, 30.4719



47.3851, 25.2750, 29.4900



36.3955, 22.4215, 8.7136



14.6623, 14.4821, 16.4220



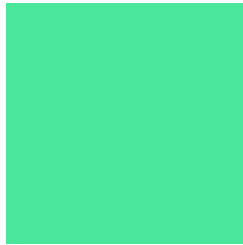
20.1256, 10.1845, 9.5563



1.5339, 0.7713, 0.9521

Previews

White Background



This preview shows how the XYZ color 36.9609, 60.3767, 40.7162 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 36.9609, 60.3767, 40.7162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

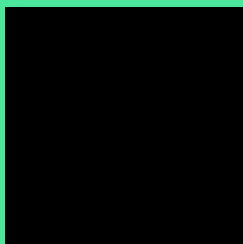
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

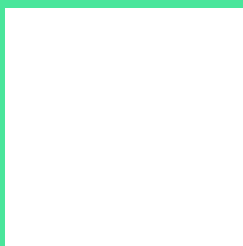
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9609, 60.3767, 40.7162

Background



This preview shows how black text looks on a background with the XYZ color 36.9609, 60.3767, 40.7162.



This preview shows how white text looks on a background with the XYZ color 36.9609, 60.3767,

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

36.9609, 60.3767, 40.7162

Protanopia

54.9919, 59.1297, 34.5014

Deuteranopia

60.1636, 58.8901, 42.8463



Tritanopia

46.5882, 60.2439, 89.2935

Trichromacy



Original Color

36.9609, 60.3767, 40.7162



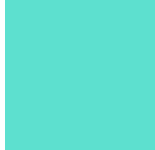
Protanomaly

44.3270, 57.1929, 36.3068



Deuteranomaly

46.5625, 56.3938, 41.6887



Tritanomaly

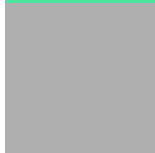
42.4323, 60.1435, 68.4039

Monochromacy



Original Color

36.9609, 60.3767, 40.7162



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.0642, 47.2606, 44.2145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9609, 60.3767, 40.7162 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(73, 230, 155)` looks like.

```
.text, #text, p{  
    color:rgb(73, 230, 155)  
}
```

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(73, 230, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 230, 155) }
```

Border

The CSS property to change the border of an element to XYZ 36.9609, 60.3767, 40.7162 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(73, 230, 155) }
```


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

```
.border{ border-color:rgb(73, 230, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 230, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 230, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 230, 155);  
box-shadow:4px 4px 4px 4px rgb(73, 230,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9609, 60.3767, 40.7162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 230, 155) }
```

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

```
.background{ background-color: rgb(73, 230,  
155) }
```

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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