

Converting Colors

XYZ(38.4560, 49.1431, 37.4390)

Have a look what the booklet for
XYZ(38.4560, 49.1431, 37.4390)
contains.

XYZ(38.5215, 49.1721, 37.5979)	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(38.5215, 49.1721,
37.5979)**

Conversions

Conversions Part 1

Format	Color
Hex	96C699
RGB	150, 198, 153
RGB Percent	59%, 78%, 60%
CMY	0.4118, 0.2235, 0.4000
CMYK	0.24, 0.00, 0.23, 0.22
HSL	124°, 30%, 68%
HSV	124°, 24%, 78%
XYZ	38.5215, 49.1721, 37.5979
YIQ	178.5180, -14.1630, -24.1710

Conversions

Conversions Part 2

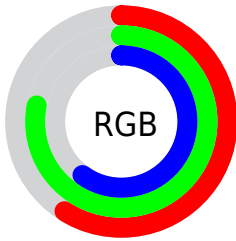
Format	Color
RYB	150, 195, 198
Decimal	9881241
CIELab	75.56, -24.63, 17.55
CIELCh	76, 30.239, 144.532
Yxy	49.1721, 0.3075, 0.3925
Android (android.graphics.Color)	4288071321 (0xFF96C699)
YUV	178.5180, -12.5804, -25.0103
Hunter-Lab	70.1228, -24.6572, 17.2963

Details

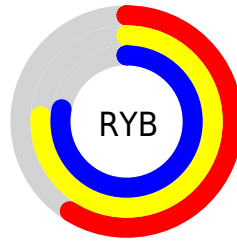
The XYZ color **38.5215, 49.1721, 37.5979** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.0470, 37.7596, 56.5985**, and the grayscale version is **42.6625, 44.8843, 48.8790**.

A 20% lighter version of the original color is **72.1993, 89.0041, 72.4057**, and **17.4085, 23.5025, 16.1893** is the 20% darker color. If you saturate the color by 10%, you get **33.7655, 46.8853, 29.9854**, and if you desaturate by 10%, it is **44.1343, 51.8759, 46.4977**.

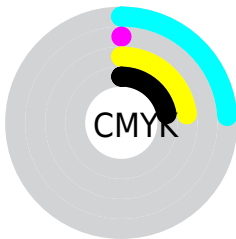
Distribution



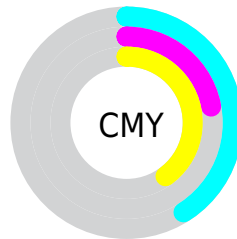
- Red (59%)
- Green (78%)
- Blue (60%)



- Red (59%)
- Yellow (76%)
- Blue (78%)



- Cyan (24%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)



- Cyan (41%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5215, 49.1721, 37.5979 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 38.5215, 49.1721, 37.5979 by changing the saturation by 10% instead.

■ 38.5215, 49.1721,
37.5979

■ 38.5215, 49.1721,
37.5979

331.0941,
383.4194, 351.1382

■ 26.5667, 34.7560,
25.3714

■ 72.2055, 88.9470,
72.6880

■ 17.3830, 23.4750,
16.1324

■ 94.6655, 115.0746,
96.3886

■ 10.6049, 14.9446,
9.4625

121.3579,
145.8749, 124.7510

■ 5.8672, 8.7805,
4.9432

152.6481,
181.7322, 158.1936

■ 2.8044, 4.5983,
2.1558

188.9015,
223.0309, 197.1352

■ 1.0512, 2.0136,
0.6487

230.4834,

■ 0.0000, 0.6153,

270.1554, 241.9941

0.0000

277.7591,
323.4901, 293.1889

■ 0.0000, 0.0000,
0.0000

■ 38.5215, 49.1721,
37.5979

■ 38.5215, 49.1721,
37.5979

■ 33.7655, 46.8853,
29.9854

■ 44.1343, 51.8759,
46.4977

■ 29.8206, 44.9889,
23.5974

■ 50.6390, 55.0093,
56.7369

■ 26.6424, 43.4629,
18.3712

■ 58.0737, 58.5922,
68.3689

■ 24.1811, 42.2830,
14.2368

■ 66.4728, 62.6414,
81.4431

■ 22.3808, 41.4221,
11.1169

■ 75.8691, 67.1728,
96.0067

■ 21.1774, 40.8490,
8.9241

■ 79.4851, 68.8701,
103.7117

■ 20.4937, 40.5261,
7.5562

■ 20.2638, 40.4176,
7.0935

Harmonies

Analogous

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



42.4164, 49.1721, 30.1440



38.5215, 49.1721, 37.5979



36.8372, 49.1721, 50.6614

Triad

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



38.5215, 49.1721, 37.5979



45.7204, 49.1721, 90.3796



57.2072, 49.1721, 41.7542

Complementary

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



38.5215, 49.1721, 37.5979



44.0470, 37.7596, 56.5985

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.



58.2675, 49.1721, 56.5257



38.5215, 49.1721, 37.5979



51.3407, 49.1721, 86.6917

Square

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



38.5215, 49.1721, 37.5979



40.7759, 49.1721, 82.7115



56.0438, 49.1721, 73.4510



53.2516, 49.1721, 32.1875

Rectangle

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



38.5215, 49.1721, 37.5979



37.0893, 49.1721, 61.6375



56.0438, 49.1721, 73.4510



57.9266, 49.1721, 46.1848

Sweetspot

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



38.5228, 49.1742, 37.5990



86.2069, 95.7390, 95.0298



48.3622, 54.2749, 36.7817



18.2969, 20.4175, 20.0967



0.0000, 0.0000, 0.0000



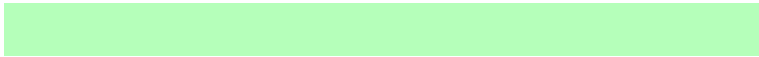
20.3446, 21.4041, 23.3091

Same Dimension

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



38.5228, 49.1742, 37.5990



63.6560, 84.8811, 59.3010



40.6493, 50.0248, 48.7968



10.5239, 11.8985, 11.4431



13.1886, 26.2878, 4.6719



0.6341, 1.2486, 0.2717

Inverse Universe

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



44.0470, 37.7596, 56.5985



75.0885, 61.2539, 98.6182



41.6046, 36.7826, 43.7368



11.0534, 10.8047, 13.2643



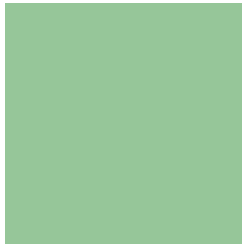
20.8948, 10.1075, 30.9855



0.9982, 0.4821, 1.5139

Previews

White Background



This preview shows how the XYZ color 38.5215, 49.1721, 37.5979 looks on a white background.

Color Contrast Check

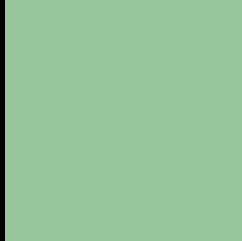
Large Text (above 18pt) WCAG AA × Fail

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 38.5215, 49.1721, 37.5979 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

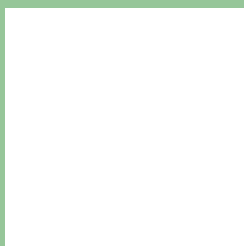
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5215, 49.1721, 37.5979

Background



This preview shows how black text looks on a background with the XYZ color 38.5215, 49.1721, 37.5979.



This preview shows how white text looks on a background with the XYZ color 38.5215, 49.1721,

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

38.5215, 49.1721, 37.5979

Protanopia

45.6414, 48.6748, 34.5934

Deuteranopia

49.9375, 48.9707, 38.7186



Tritanopia

44.0695, 49.0888, 65.5449

Trichromacy



Original Color

38.5215, 49.1721, 37.5979

Protanomaly

42.6607, 48.7001, 35.5854

Deuteranomaly

45.0455, 48.5945, 38.4580

Tritanomaly

41.9717, 49.2393, 54.3057

Monochromacy



Original Color

38.5215, 49.1721, 37.5979

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.9631, 46.3449, 44.8167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5215, 49.1721, 37.5979 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(150, 198, 153)` looks like.

```
.text, #text, p{  
    color:rgb(150, 198, 153)  
}
```

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(150, 198, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 198, 153) }
```

Border

The CSS property to change the border of an element to XYZ 38.5215, 49.1721, 37.5979 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(150, 198, 153) }
```


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

```
.border{ border-color:rgb(150, 198, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 198, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 198, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 198, 153);  
box-shadow:4px 4px 4px 4px rgb(150, 198,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5215, 49.1721, 37.5979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 198, 153) }
```

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

```
.background{ background-color: rgb(150,  
198, 153) }
```

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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