

Converting Colors

XYZ(37.8952, 50.0037, 27.2943)

Have a look what the booklet for
XYZ(37.8952, 50.0037, 27.2943)
contains.

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Color

**XYZ(37.9790, 50.1497,
27.4168)**

Conversions

Conversions Part 1

Format	Color
Hex	9AC97E
RGB	154, 201, 126
RGB Percent	60%, 79%, 49%
CMY	0.3961, 0.2117, 0.5059
CMYK	0.23, 0.00, 0.37, 0.21
HSL	98°, 41%, 64%
HSV	98°, 37%, 79%
XYZ	37.9790, 50.1497, 27.4168
YIQ	178.3970, -3.9370, -33.2890

Conversions

Conversions Part 2

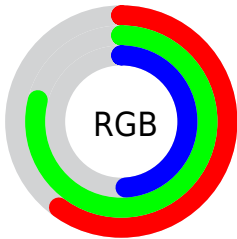
Format	Color
RYB	126, 201, 173
Decimal	10144126
CIELab	76.16, -28.97, 32.60
CIELCh	76, 43.616, 131.623
Yxy	50.1497, 0.3287, 0.4340
Android (android.graphics.Color)	4288334206 (0xFF9AC97E)
YUV	178.3970, -25.8317, -21.3962
Hunter-Lab	70.8165, -28.1989, 26.6172

Details

The XYZ color **37.9790, 50.1497, 27.4168** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.2392, 28.0244, 58.8130**, and the grayscale version is **42.6626, 44.8844, 48.8791**.

A 20% lighter version of the original color is **70.4750, 88.4763, 56.0110**, and **17.1051, 24.1559, 10.5985** is the 20% darker color. If you saturate the color by 10%, you get **34.5374, 48.5121, 21.1523**, and if you desaturate by 10%, it is **41.9354, 52.0256, 35.0677**.

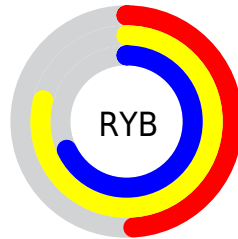
Distribution



Red (60%)

Green (79%)

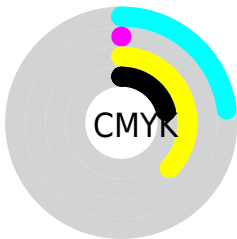
Blue (49%)



Red (49%)

Yellow (79%)

Blue (68%)

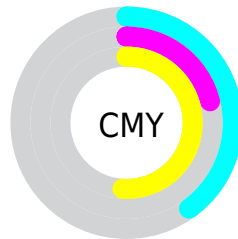


Cyan (23%)

Magenta (0%)

Yellow (37%)

Black (21%)



Cyan (40%)


Magenta (21%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9790, 50.1497, 27.4168 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 37.9790, 50.1497, 27.4168 by changing the saturation by 10% instead.


 37.9790, 50.1497,
27.4168


 37.9790, 50.1497,
27.4168


328.8123,
387.2511, 303.4933


 26.1435, 35.5324,
17.6513


 71.3801, 90.3966,
56.5638

 17.0643, 24.0732,
10.5331


 93.6764, 116.7950,
76.7824

 10.3759, 15.3880,
5.6436


 120.1903,
147.8892, 101.3225

 5.7131, 9.0921,
2.5644

151.2873,
184.0636, 130.6025

 2.7104, 4.8013,
0.8740

187.3326,
225.7026, 165.0411

 1.0025, 2.1312,
0.0000

228.6916,

 0.0000, 0.6821,

273.1906, 205.0567

0.0000

275.7297,
326.9119, 251.0679

■ 0.0000, 0.0000,
0.0000

■ 37.9790, 50.1497,
27.4168

■ 37.9790, 50.1497,
27.4168

■ 34.5374, 48.5121,
21.1523

■ 41.9354, 52.0256,
35.0677

■ 31.5833, 47.0961,
16.1880

■ 46.4246, 54.1429,
44.1779

■ 29.0926, 45.8926,
12.4329


■ 51.4684, 56.5127,
54.8191


■ 27.0371, 44.8894,
9.7832


■ 57.0858, 59.1436,
67.0572


■ 25.3846, 44.0727,
8.1172


■ 63.2954, 62.0435,
80.9545


 24.0936, 43.4247,
7.2670

 70.1144, 65.2203,
96.5696

 23.7921, 43.2726,
7.0985

 75.6171, 67.9043,
103.7291

 80.0953, 70.2129,
103.9387

 80.1777, 70.2554,
103.9426

Harmonies

Analogous

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



44.5719, 50.1497, 21.3414



37.9790, 50.1497, 27.4168



34.2644, 50.1497, 41.6199

Triad

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



37.9790, 50.1497, 27.4168



42.8853, 50.1497, 109.3583



64.7577, 50.1497, 46.0368

Complementary

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



37.9790, 50.1497, 27.4168



35.2392, 28.0244, 58.8130

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.



64.1723, 50.1497, 70.0426



37.9790, 50.1497, 27.4168



50.8996, 50.1497, 111.5510

Square

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



37.9790, 50.1497, 27.4168



36.8660, 50.1497, 90.2486



58.8737, 50.1497, 95.5864



60.3922, 50.1497, 29.8516

Rectangle

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



37.9790, 50.1497, 27.4168



33.6309, 50.1497, 55.8882



58.8737, 50.1497, 95.5864



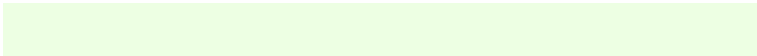
65.1457, 50.1497, 53.3406

Sweetspot

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



37.9803, 50.1519, 27.4179



84.6841, 95.1404, 86.5375



42.6555, 43.5262, 25.8926



17.8705, 20.2440, 17.9829



0.0000, 0.0000, 0.0000



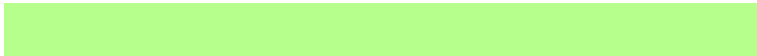
20.3446, 21.4041, 23.3091

Same Dimension

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



37.9803, 50.1519, 27.4179



60.0611, 83.4987, 37.8590



33.8479, 47.9535, 30.3023



10.8653, 12.0775, 11.3213



15.0525, 27.2551, 4.4674



0.7927, 1.3317, 0.2153

Inverse Universe

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



35.2392, 28.0244, 58.8130



54.6632, 40.0707, 99.4611



41.0923, 31.1574, 53.8651



10.6846, 10.6112, 13.4025



12.1398, 5.4925, 35.1647



0.6530, 0.3004, 1.6687

Previews

White Background



This preview shows how the XYZ color 37.9790, 50.1497, 27.4168 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 37.9790, 50.1497, 27.4168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

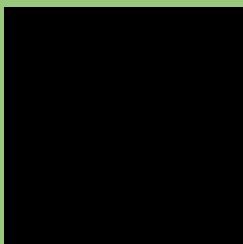
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9790, 50.1497, 27.4168

Background



This preview shows how black text looks on a background with the XYZ color 37.9790, 50.1497, 27.4168.



This preview shows how white text looks on a background with the XYZ color 37.9790, 50.1497,

27.4168.

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

37.9790, 50.1497, 27.4168

Protanopia

46.0623, 49.7341, 24.9412

Deuteranopia

50.6483, 49.5669, 28.3706



Tritanopia

45.7077, 49.9333, 65.6216

Trichromacy



Original Color

37.9790, 50.1497, 27.4168

Protanomaly

42.6122, 49.5435, 25.7293

Deuteranomaly

45.0215, 49.1314, 27.8793

Tritanomaly

42.3512, 49.8859, 48.9918

Monochromacy



Original Color

37.9790, 50.1497, 27.4168

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.1791, 46.0560, 39.5729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9790, 50.1497, 27.4168 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(154, 201, 126)` looks like.

```
.text, #text, p{  
    color:rgb(154, 201, 126)  
}
```

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(154, 201, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 201, 126) }
```

Border

The CSS property to change the border of an element to XYZ 37.9790, 50.1497, 27.4168 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(154, 201, 126) }
```


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

```
.border{ border-color:rgb(154, 201, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 201, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 201, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 201, 126);  
box-shadow:4px 4px 4px 4px rgb(154, 201,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9790, 50.1497, 27.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 201, 126) }
```

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

```
.background{ background-color: rgb(154,  
201, 126) }
```

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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