

Converting Colors

XYZ(38.1614, 49.6968, 32.3088)

Have a look what the booklet for
XYZ(38.1614, 49.6968, 32.3088)
contains.

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Color

**XYZ(38.1504, 49.7813,
32.4090)**

Conversions

Conversions Part 1

Format	Color
Hex	97C88C
RGB	151, 200, 140
RGB Percent	59%, 78%, 55%
CMY	0.4078, 0.2157, 0.4510
CMYK	0.25, 0.00, 0.30, 0.22
HSL	109°, 35%, 67%
HSV	109°, 30%, 78%
XYZ	38.1504, 49.7813, 32.4090
YIQ	178.5090, -9.9440, -29.0480

Conversions

Conversions Part 2

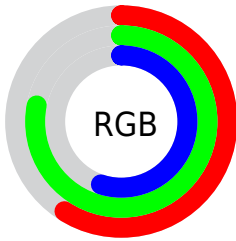
Format	Color
RYB	140, 200, 189
Decimal	9947276
CIELab	75.93, -27.44, 24.97
CIELCh	76, 37.104, 137.699
Yxy	49.7813, 0.3170, 0.4137
Android (android.graphics.Color)	4288137356 (0xFF97C88C)
YUV	178.5090, -18.9849, -24.1254
Hunter-Lab	70.5559, -26.9557, 22.1549

Details

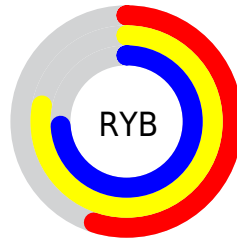
The XYZ color **38.1504, 49.7813, 32.4090** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.7919, 33.7466, 59.0100**, and the grayscale version is **42.6891, 44.9123, 48.9095**.

A 20% lighter version of the original color is **70.9512, 88.5369, 64.3887**, and **17.2276, 23.9317, 13.1625** is the 20% darker color. If you saturate the color by 10%, you get **33.9836, 47.7899, 25.2031**, and if you desaturate by 10%, it is **43.0079, 52.1007, 41.0485**.

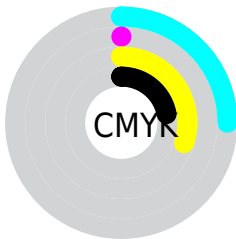
Distribution



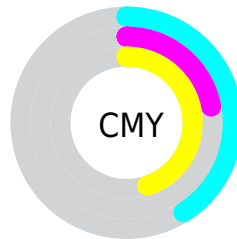
- Red (59%)
- Green (78%)
- Blue (55%)



- Red (55%)
- Yellow (78%)
- Blue (74%)



- Cyan (25%)
- Magenta (0%)
- Yellow (30%)
- Black (22%)




- Cyan (41%)
- Magenta (22%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1504, 49.7813, 32.4090 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 38.1504, 49.7813, 32.4090 by changing the saturation by 10% instead.

 38.1504, 49.7813,
32.4090


 38.1504, 49.7813,
32.4090


329.5344,
385.8101, 327.5281


 26.2772, 35.2397,
21.4067


 71.6410, 89.8508,
64.5571

 17.1649, 23.8475,
13.2275


 93.9891, 116.1474,
86.5399

 10.4482, 15.2206,
7.4528


 120.5596,
147.1311, 113.0200

 5.7616, 8.9743,
3.6641

151.7177,
183.1863, 144.4159

 2.7400, 4.7244,
1.4430

187.8289,
224.6974, 181.1461

 1.0178, 2.0865,
0.1749

229.2585,

 0.0000, 0.6570,

272.0488, 223.6292

0.0000

276.3719,
325.6249, 272.2837

■ 0.0000, 0.0000,
0.0000

■ 38.1504, 49.7813,
32.4090

■ 38.1504, 49.7813,
32.4090

■ 33.9836, 47.7899,
25.2031

■ 43.0079, 52.1007,
41.0485

■ 30.4720, 46.1055,
19.3501

■ 48.5818, 54.7555,
51.1899

■ 27.5825, 44.7144,
14.7666

■ 54.9013, 57.7607,
62.9009

■ 25.2778, 43.5993,
11.3582

■ 61.9928, 61.1285,
76.2444

■ 23.5160, 42.7410,
9.0179

■ 69.8813, 64.8705,
91.2795

■ 22.2495, 42.1178,
7.6187

■ 77.7744, 68.6714,
103.7635

■ 21.4061, 41.6976,
6.9202

■ 79.9453, 69.7905,
103.8651

Harmonies

Analogous

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



43.3889, 49.7813, 25.4262



38.1504, 49.7813, 32.4090



35.4815, 49.7813, 46.4914

Triad

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



38.1504, 49.7813, 32.4090



44.5401, 49.7813, 100.5484



61.1406, 49.7813, 43.4352

Complementary

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



38.1504, 49.7813, 32.4090



40.7919, 33.7466, 59.0100

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.



61.5258, 49.7813, 62.7242



38.1504, 49.7813, 32.4090



51.4724, 49.7813, 99.1542

Square

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



38.1504, 49.7813, 32.4090



38.9223, 49.7813, 87.5122



57.8424, 49.7813, 84.0699



56.8364, 49.7813, 30.6431

Rectangle

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



38.1504, 49.7813, 32.4090



35.3287, 49.7813, 59.4643



57.8424, 49.7813, 84.0699



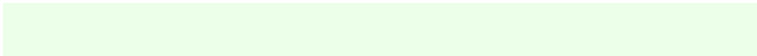
61.7468, 49.7813, 49.2622

Sweetspot

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



38.1517, 49.7834, 32.4101



85.0100, 95.2259, 90.2811



46.7528, 50.5703, 32.1086



17.8701, 20.2274, 18.7258



0.0000, 0.0000, 0.0000



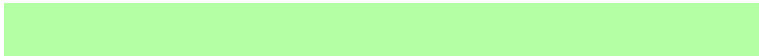
20.3446, 21.4041, 23.3091

Same Dimension

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



38.1517, 49.7834, 32.4101



61.2176, 83.8781, 47.7079



37.7291, 49.3895, 40.3467



10.6758, 11.9798, 11.3124



13.6657, 26.5402, 4.4025



0.7037, 1.2859, 0.2111

Inverse Universe

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



40.7919, 33.7466, 59.0100



66.5006, 51.6925, 101.0804



41.5398, 34.3731, 48.1633



10.8851, 10.7146, 13.4119



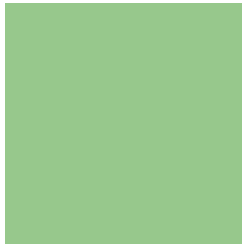
16.3467, 7.6613, 35.3616



0.8250, 0.3890, 1.6768

Previews

White Background



This preview shows how the XYZ color 38.1504, 49.7813, 32.4090 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 38.1504, 49.7813, 32.4090 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

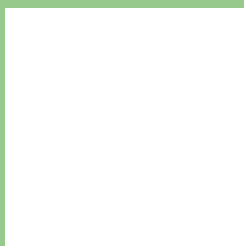
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1504, 49.7813, 32.4090

Background



This preview shows how black text looks on a background with the XYZ color 38.1504, 49.7813, 32.4090.

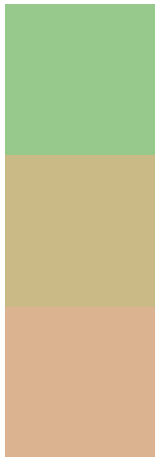


This preview shows how white text looks on a background with the XYZ color 38.1504, 49.7813,

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

38.1504, 49.7813, 32.4090

Protanopia

45.9494, 49.2565, 29.6399

Deuteranopia

50.4444, 49.3446, 33.6538



Tritanopia

44.7936, 49.4480, 66.2150

Trichromacy



Original Color

38.1504, 49.7813, 32.4090

Protanomaly

42.6032, 49.1065, 30.5256

Deuteranomaly

44.9764, 48.9932, 33.0727

Tritanomaly

41.9396, 49.2716, 52.0997

Monochromacy



Original Color

38.1504, 49.7813, 32.4090

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.9240, 46.6923, 42.4529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1504, 49.7813, 32.4090 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(151, 200, 140)` looks like.

```
.text, #text, p{  
    color:rgb(151, 200, 140)  
}
```

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(151, 200, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 200, 140) }
```

Border

The CSS property to change the border of an element to XYZ 38.1504, 49.7813, 32.4090 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(151, 200, 140) }
```


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

```
.border{ border-color:rgb(151, 200, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 200, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 200, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 200, 140);  
box-shadow:4px 4px 4px 4px rgb(151, 200,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1504, 49.7813, 32.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 200, 140) }
```

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

```
.background{ background-color: rgb(151,  
200, 140) }
```

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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