

Converting Colors

XYZ(37.7283, 49.3685, 18.4679)

Have a look what the booklet for
XYZ(37.7283, 49.3685, 18.4679)
contains.

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Color

**XYZ(37.7988, 49.5656,
18.4014)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C75F
RGB	164, 199, 95
RGB Percent	64%, 78%, 37%
CMY	0.3569, 0.2196, 0.6274
CMYK	0.18, 0.00, 0.52, 0.22
HSL	80°, 48%, 58%
HSV	80°, 52%, 78%
XYZ	37.7988, 49.5656, 18.4014
YIQ	176.6790, 12.5240, -39.7640

Conversions

Conversions Part 2

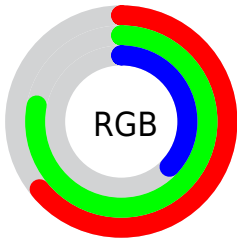
Format	Color
RYB	95, 199, 130
Decimal	10798943
CIELab	75.80, -28.01, 47.70
CIElCh	76, 55.317, 120.417
Yxy	49.5656, 0.3574, 0.4686
Android (android.graphics.Color)	4288989023 (0xFFA4C75F)
YUV	176.6790, -40.2677, -11.1195
Hunter-Lab	70.4028, -27.3696, 33.7852

Details

The XYZ color **37.7988, 49.5656, 18.4014** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **23.6090, 17.0552, 56.0834**, and the grayscale version is **41.8225, 44.0006, 47.9166**.

A 20% lighter version of the original color is **70.9241, 89.0303, 41.4634**, and **16.9919, 23.7402, 5.9723** is the 20% darker color. If you saturate the color by 10%, you get **35.6616, 48.5569, 14.1679**, and if you desaturate by 10%, it is **40.2423, 50.7087, 23.8573**.

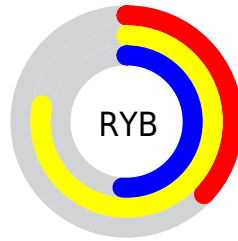
Distribution



Red (64%)

Green (78%)

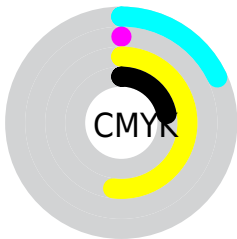
Blue (37%)



Red (37%)

Yellow (78%)

Blue (51%)

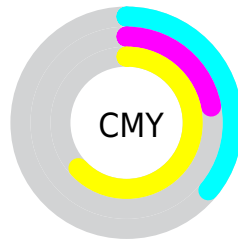


Cyan (18%)

Magenta (0%)

Yellow (52%)

Black (22%)



Cyan (36%)

Magenta (22%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7988, 49.5656, 18.4014 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 37.7988, 49.5656, 18.4014 by changing the saturation by 10% instead.

■ 37.7988, 49.5656,
18.4014

■ 37.7988, 49.5656,
18.4014

328.0519,
384.9647, 255.4356

■ 26.0031, 35.0684,
11.0661

■ 71.1055, 89.5309,
41.5433

■ 16.9586, 23.7155,
5.9966

■ 93.3473, 115.7678,
58.1869

■ 10.3001, 15.1227,
2.7743

■ 119.8017,
146.6866, 78.7705

■ 5.6622, 8.9056,
0.9806

■ 150.8342,
182.6719, 103.7125

■ 2.6795, 4.6796,
0.0000

186.8101,
224.1079, 133.4315

■ 0.9866, 2.0606,
0.0000

228.0948,

■ 0.0000, 0.6423,

271.3792, 168.3459

0.0000

275.0536,
324.8700, 208.8745

■ 0.0000, 0.0000,
0.0000

■ 37.7988, 49.5656,
18.4014

■ 37.7988, 49.5656,
18.4014

■ 35.6616, 48.5569,
14.1679

■ 40.2423, 50.7087,
23.8573

■ 33.8080, 47.6682,
11.0589

■ 43.0057, 51.9865,
30.6171

■ 32.2175, 46.8930,
8.9669

■ 46.1058, 53.4077,
38.7590

■ 30.8642, 46.2206,
7.7618

■ 49.5573, 54.9781,
48.3542

■ 29.9439, 45.7565,
7.2537

■ 53.3736, 56.7035,
59.4688

■ 57.5676, 58.5889,
72.1651

■ 62.1514, 60.6393,
86.5017

■ 67.1365, 62.8595,
102.5343

■ 69.3027, 63.9616,
103.3009

Harmonies

Analogous

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



46.9669, 49.5656, 14.8567



37.7988, 49.5656, 18.4014



31.9328, 49.5656, 30.5764

Triad

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



37.7988, 49.5656, 18.4014



38.0143, 49.5656, 119.6477



69.7583, 49.5656, 53.5576

Complementary

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



37.7988, 49.5656, 18.4014



23.6090, 17.0552, 56.0834

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.



66.4662, 49.5656, 87.0001



37.7988, 49.5656, 18.4014



47.2546, 49.5656, 132.6295

Square

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



37.7988, 49.5656, 18.4014



32.0439, 49.5656, 87.9848



57.8384, 49.5656, 118.9487



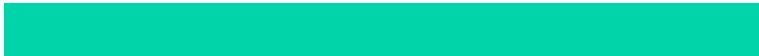
66.2854, 49.5656, 30.0905

Rectangle

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



37.7988, 49.5656, 18.4014



30.1908, 49.5656, 45.0861



57.8384, 49.5656, 118.9487



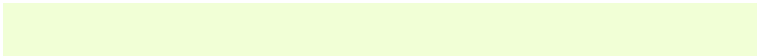
69.4014, 49.5656, 63.9470

Sweetspot

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



37.8000, 49.5678, 18.4025



84.2902, 95.1331, 77.6723



33.5590, 28.8467, 14.6264



17.7715, 20.2395, 15.8744



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.



37.8000, 49.5678, 18.4025



61.8642, 84.7420, 23.7685



29.2152, 45.1422, 18.0007



11.1637, 12.2313, 11.3353



19.3500, 29.4706, 4.6685



0.9911, 1.4340, 0.2246

Inverse Universe

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



23.6090, 17.0552, 56.0834



34.3731, 21.6231, 96.9698



33.6157, 22.2138, 56.5517



10.3875, 10.4580, 13.3886



8.2005, 3.4618, 34.9803



0.4657, 0.2038, 1.6599

Previews

White Background



This preview shows how the XYZ color 37.7988, 49.5656, 18.4014 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 37.7988, 49.5656, 18.4014 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 37.7988, 49.5656, 18.4014

Background



This preview shows how black text looks on a background with the XYZ color 37.7988, 49.5656, 18.4014.



This preview shows how white text looks on a background with the XYZ color 37.7988, 49.5656,

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

37.7988, 49.5656, 18.4014

Protanopia

45.1123, 49.4178, 17.0584

Deuteranopia

50.2643, 49.2744, 19.1736



Tritanopia

46.7911, 49.2699, 62.9210

Trichromacy



Original Color

37.7988, 49.5656, 18.4014

Protanomaly

42.0484, 49.1107, 17.3883

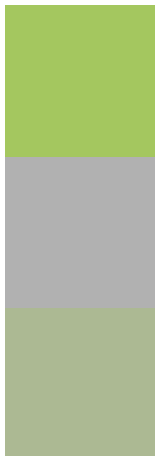
Deuteranomaly

44.9879, 48.9978, 18.8908

Tritanomaly

42.4752, 48.7902, 41.8291

Monochromacy



Original Color

37.7988, 49.5656, 18.4014

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

39.6287, 45.5752, 34.3120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7988, 49.5656, 18.4014 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(164, 199, 95)` looks like.

```
.text, #text, p{  
    color:rgb(164, 199, 95)  
}
```

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(164, 199, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 199, 95) }
```

Border

The CSS property to change the border of an element to XYZ 37.7988, 49.5656, 18.4014 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(164, 199, 95) }
```


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

```
.border{ border-color:rgb(164, 199, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 199, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 199, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 199, 95);  
box-shadow:4px 4px 4px 4px rgb(164, 199,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7988, 49.5656, 18.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 199, 95) }
```

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

```
.background{ background-color: rgb(164,  
199, 95) }
```

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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