

Converting Colors

XYZ(37.5272, 48.6957, 19.6707)

Have a look what the booklet for
XYZ(37.5272, 48.6957, 19.6707)
contains.

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Color

**XYZ(37.6251, 48.7646,
19.7414)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C565
RGB	164, 197, 101
RGB Percent	64%, 77%, 40%
CMY	0.3569, 0.2274, 0.6039
CMYK	0.17, 0.00, 0.49, 0.23
HSL	81°, 45%, 58%
HSV	81°, 49%, 77%
XYZ	37.6251, 48.7646, 19.7414
YIQ	176.1890, 11.1480, -36.8520

Conversions

Conversions Part 2

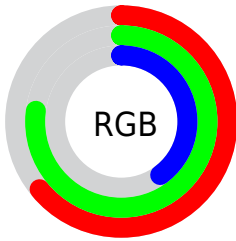
Format	Color
RYB	101, 197, 134
Decimal	10798437
CIELab	75.30, -26.43, 44.22
CIELCh	75, 51.519, 120.861
Yxy	48.7646, 0.3545, 0.4595
Android (android.graphics.Color)	4288988517 (0xFFA4C565)
YUV	176.1890, -37.0682, -10.6898
Hunter-Lab	69.8317, -26.0301, 32.1209

Details

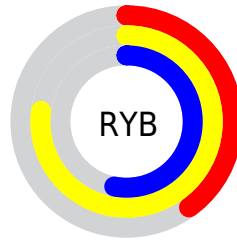
The XYZ color **37.6251, 48.7646, 19.7414** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.5652, 18.4082, 55.0845**, and the grayscale version is **41.5499, 43.7137, 47.6043**.

A 20% lighter version of the original color is **70.7897, 88.4324, 43.9100**, and **16.8286, 23.1902, 6.6068** is the 20% darker color. If you saturate the color by 10%, you get **35.4129, 47.7242, 15.1894**, and if you desaturate by 10%, it is **40.1455, 49.9402, 25.5174**.

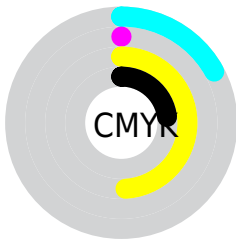
Distribution



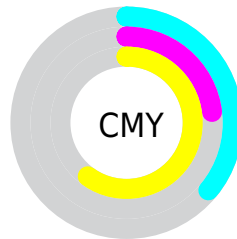
- Red (64%)
- Green (77%)
- Blue (40%)



- Red (40%)
- Yellow (77%)
- Blue (53%)



- Cyan (17%)
- Magenta (0%)
- Yellow (49%)
- Black (23%)



- Cyan (36%)
- Magenta (23%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6251, 48.7646, 19.7414 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 37.6251, 48.7646, 19.7414 by changing the saturation by 10% instead.

■ 37.6251, 48.7646,
19.7414

■ 37.6251, 48.7646,
19.7414

327.3177,
381.8149, 263.0695

■ 25.8677, 34.4328,
12.0250

■ 70.8408, 88.3417,
43.8365

■ 16.8569, 23.2263,
6.6380

■ 93.0298, 114.3558,
61.0522

■ 10.2272, 14.7607,
3.1617

■ 119.4267,
145.0328, 82.2714

■ 5.6133, 8.6516,
1.1778

■ 150.3969,
180.7571, 107.9128

■ 2.6498, 4.5146,
0.0000

186.3058,
221.9130, 138.3947

■ 0.9714, 1.9654,
0.0000

227.5186,

■ 0.0000, 0.5873,

268.8851, 174.1357

0.0000

274.4008,
322.0575, 215.5545

■ 0.0000, 0.0000,
0.0000

■ 37.6251, 48.7646,
19.7414

■ 37.6251, 48.7646,
19.7414

■ 35.4129, 47.7242,
15.1894

■ 40.1455, 49.9402,
25.5174

■ 33.4874, 46.8053,
11.7697

■ 42.9868, 51.2513,
32.5941

■ 31.8296, 46.0017,
9.3829


■ 46.1652, 52.7060,
41.0456


■ 30.4157, 45.3040,
7.9107


■ 49.6945, 54.3101,
50.9394

■ 29.2078, 44.6967,
7.1597


■ 53.5878, 56.0689,
62.3388

 29.0626, 44.6234,
7.0814

 57.8574, 57.9875,
75.3031

 62.5149, 60.0705,
89.8884

 66.9854, 62.0882,
103.0614

 69.0547, 63.1550,
103.1583

Harmonies

Analogous

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



46.0762, 48.7646, 16.1682



37.6251, 48.7646, 19.7414



32.1991, 48.7646, 31.5430

Triad

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



37.6251, 48.7646, 19.7414



38.0391, 48.7646, 112.8850



67.0358, 48.7646, 52.3165

Complementary

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



37.6251, 48.7646, 19.7414



24.5652, 18.4082, 55.0845

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.



64.1352, 48.7646, 82.7396



37.6251, 48.7646, 19.7414



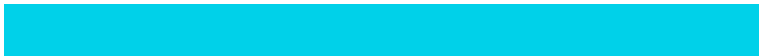
46.6235, 48.7646, 124.1379

Square

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



37.6251, 48.7646, 19.7414



32.4142, 48.7646, 84.5776



56.3275, 48.7646, 111.5941



63.7960, 48.7646, 30.5934

Rectangle

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



37.6251, 48.7646, 19.7414



30.6006, 48.7646, 45.2398



56.3275, 48.7646, 111.5941



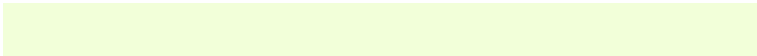
66.7434, 48.7646, 61.8136

Sweetspot

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



37.6263, 48.7668, 19.7424



84.8184, 95.3675, 79.4126



33.7642, 29.5866, 16.2438



17.8726, 20.2842, 16.2169



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.



37.6263, 48.7668, 19.7424



63.3631, 85.4427, 27.0900



29.6529, 44.6563, 19.3693



11.1562, 12.2275, 11.3349



19.2074, 29.3971, 4.6619



0.9850, 1.4309, 0.2243

Inverse Universe

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



24.5652, 18.4082, 55.0845



37.4081, 25.0199, 97.4654



33.7896, 23.1636, 55.5162



10.3948, 10.4618, 13.3890



8.2656, 3.4953, 34.9834



0.4693, 0.2057, 1.6601

Previews

White Background



This preview shows how the XYZ color 37.6251, 48.7646, 19.7414 looks on a white background.

Color Contrast Check

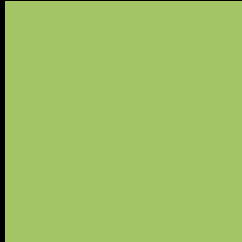
Large Text (above 18pt) WCAG AA × Fail

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 37.6251, 48.7646, 19.7414 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 37.6251, 48.7646, 19.7414

Background



This preview shows how black text looks on a background with the XYZ color 37.6251, 48.7646, 19.7414.



This preview shows how white text looks on a background with the XYZ color 37.6251, 48.7646,

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

37.6251, 48.7646, 19.7414

Protanopia

44.4085, 48.3984, 18.3105

Deuteranopia

49.1782, 48.0988, 20.3277



Tritanopia

46.2330, 48.6820, 62.2182

Trichromacy



Original Color

37.6251, 48.7646, 19.7414

Protanomaly

41.3885, 48.0959, 18.6573

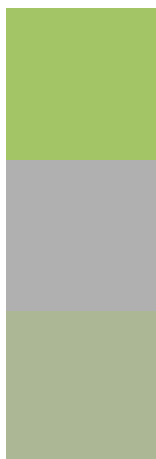
Deuteranomaly

44.2678, 47.9770, 20.0240

Tritanomaly

42.2182, 48.3142, 42.6977

Monochromacy



Original Color

37.6251, 48.7646, 19.7414

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.5786, 45.2216, 35.0764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6251, 48.7646, 19.7414 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, 197, 101)` looks like.

```
.text, #text, p{  
    color:rgb(164, 197, 101)  
}
```

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, 197, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 197, 101) }
```

Border

The CSS property to change the border of an element to XYZ 37.6251, 48.7646, 19.7414 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, 197, 101) }
```


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

```
.border{ border-color:rgb(164, 197, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 197, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 197, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 197, 101);  
box-shadow:4px 4px 4px 4px rgb(164, 197,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6251, 48.7646, 19.7414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 197, 101) }
```

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

```
.background{ background-color: rgb(164,  
197, 101) }
```

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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