

Converting Colors

XYZ(37.8228, 47.7859, 23.2062)

Have a look what the booklet for
XYZ(37.8228, 47.7859, 23.2062)
contains.

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Color

**XYZ(37.8461, 47.7978,
23.1508)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C272
RGB	165, 194, 114
RGB Percent	65%, 76%, 45%
CMY	0.3529, 0.2392, 0.5529
CMYK	0.15, 0.00, 0.41, 0.24
HSL	82°, 40%, 60%
HSV	82°, 41%, 76%
XYZ	37.8461, 47.7978, 23.1508
YIQ	176.2090, 8.3960, -31.0280

Conversions

Conversions Part 2

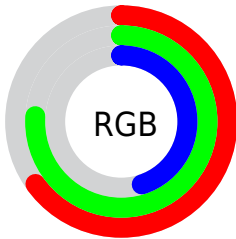
Format	Color
RYB	114, 194, 143
Decimal	10863218
CIELab	74.70, -23.09, 37.00
CIElCh	75, 43.618, 121.966
Yxy	47.7978, 0.3479, 0.4393
Android (android.graphics.Color)	4289053298 (0xFFA5C272)
YUV	176.2090, -30.6690, -9.8303
Hunter-Lab	69.1360, -23.2742, 28.5414

Details

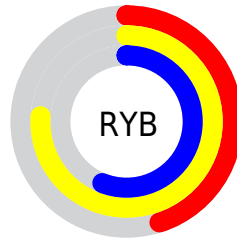
The XYZ color **37.8461, 47.7978, 23.1508** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.0845, 21.7706, 53.8163**, and the grayscale version is **41.5289, 43.6917, 47.5802**.

A 20% lighter version of the original color is **71.2910, 87.1565, 49.6247**, and **16.9856, 22.5711, 8.3119** is the 20% darker color. If you saturate the color by 10%, you get **35.4343, 46.6703, 17.8725**, and if you desaturate by 10%, it is **40.5750, 49.0647, 29.6684**.

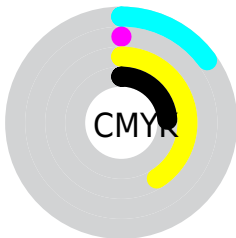
Distribution



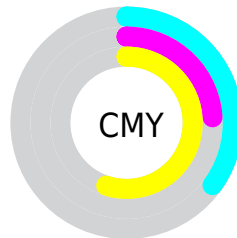
- Red (65%)
- Green (76%)
- Blue (45%)



- Red (45%)
- Yellow (76%)
- Blue (56%)



- Cyan (15%)
- Magenta (0%)
- Yellow (41%)
- Black (24%)





- Cyan (35%)
- Magenta (24%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8461, 47.7978, 23.1508 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 37.8461, 47.7978, 23.1508 by changing the saturation by 10% instead.


 37.8461, 47.7978,
23.1508


 37.8461, 47.7978,
23.1508


328.2516,
377.9901, 281.6456

 26.0399, 33.6668,
14.4985


 71.1776, 86.9033,
49.5672

 16.9864, 22.6377,
8.3255


 93.4337, 112.6465,
68.1683

 10.3200, 14.3262,
4.2132


 119.9037,
143.0293, 90.9229

 5.6755, 8.3479,
1.7430

150.9532,
178.4360, 118.2494

 2.6876, 4.3184,
0.3900

186.9473,
219.2511, 150.5664

 0.9908, 1.8532,
0.0000

228.2515,

 0.0000, 0.5200,

265.8588, 188.2924

0.0000

275.2312,
318.6437, 231.8459

■ 0.0000, 0.0000,
0.0000

■ 37.8461, 47.7978,
23.1508

■ 37.8461, 47.7978,
23.1508

■ 35.4343, 46.6703,
17.8725

■ 40.5750, 49.0647,
29.6684

■ 33.3198, 45.6693,
13.7517

■ 43.6323, 50.4707,
37.4940

■ 31.4858, 44.7894,
10.7017

■ 47.0330, 52.0237,
46.6950


■ 29.9120, 44.0225,
8.6220


■ 50.7900, 53.7290,
57.3333


■ 28.5742, 43.3587,
7.3934

■ 54.9155, 55.5915,
69.4669

 27.5573, 42.8461,
6.8177

 59.4211, 57.6160,
83.1507

 64.3178, 59.8070,
98.4367

 67.2434, 61.2199,
102.8803

 69.4336, 62.3490,
102.9828

Harmonies

Analogous

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



44.9107, 47.7978, 19.5252



37.8461, 47.7978, 23.1508



33.2867, 47.7978, 34.1415

Triad

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



37.8461, 47.7978, 23.1508



38.6517, 47.7978, 100.7243



62.3853, 47.7978, 50.5640

Complementary

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



37.8461, 47.7978, 23.1508



27.0845, 21.7706, 53.8163

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.



60.2177, 47.7978, 75.3125



37.8461, 47.7978, 23.1508



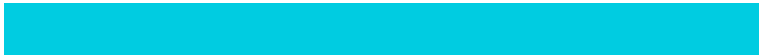
45.9540, 47.7978, 108.8282

Square

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



37.8461, 47.7978, 23.1508



33.7125, 47.7978, 78.6718



53.9657, 47.7978, 98.4219



59.5904, 47.7978, 32.2249

Rectangle

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



37.8461, 47.7978, 23.1508



31.9755, 47.7978, 46.1913



53.9657, 47.7978, 98.4219



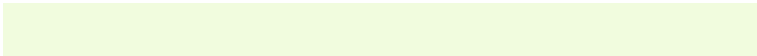
62.2121, 47.7978, 58.3706

Sweetspot

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



37.8473, 47.7999, 23.1518



84.5929, 93.9692, 82.8963



34.9602, 32.0318, 20.2604



18.3387, 20.4934, 17.6412



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.



37.8473, 47.7999, 23.1518



64.7987, 84.8345, 33.6411



30.9348, 44.2364, 22.8283



10.5478, 11.5699, 10.7392



18.2095, 28.2162, 4.4865



0.8601, 1.2569, 0.1973

Inverse Universe

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



27.0845, 21.7706, 53.8163



42.8252, 31.6438, 96.3205



35.0481, 25.8760, 54.1889



9.8654, 9.9217, 12.6800



8.1613, 3.4677, 33.7958



0.4285, 0.1889, 1.4638

Previews

White Background



This preview shows how the XYZ color 37.8461, 47.7978, 23.1508 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 37.8461, 47.7978, 23.1508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

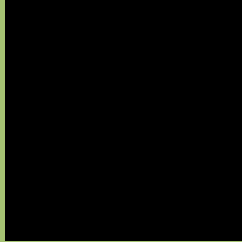
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8461, 47.7978, 23.1508

Background



This preview shows how black text looks on a background with the XYZ color 37.8461, 47.7978, 23.1508.



This preview shows how white text looks on a background with the XYZ color 37.8461, 47.7978,

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

37.8461, 47.7978, 23.1508

Protanopia

43.8354, 47.4103, 21.5926

Deuteranopia

48.4188, 47.3401, 23.7251



Tritanopia

45.3538, 47.6346, 60.8368

Trichromacy



Original Color

37.8461, 47.7978, 23.1508

Protanomaly

41.3786, 47.3797, 22.0032

Deuteranomaly

44.0262, 47.1578, 23.6115

Tritanomaly

42.0644, 47.5642, 44.0096

Monochromacy



Original Color

37.8461, 47.7978, 23.1508

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.6965, 44.9375, 36.7186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8461, 47.7978, 23.1508 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(165, 194, 114)` looks like.

```
.text, #text, p{  
    color:rgb(165, 194, 114)  
}
```

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(165, 194, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 194, 114) }
```

Border

The CSS property to change the border of an element to XYZ 37.8461, 47.7978, 23.1508 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(165, 194, 114) }
```


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

```
.border{ border-color:rgb(165, 194, 114) }
```

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

Here you see how a box with a 4 pixel rgb(165, 194, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 194, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 194, 114);  
box-shadow:4px 4px 4px 4px rgb(165, 194,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8461, 47.7978, 23.1508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 194, 114) }
```

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

```
.background{ background-color: rgb(165,  
194, 114) }
```

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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