

Converting Colors

XYZ(38.2606, 49.9443, 12.1417)

Have a look what the booklet for
XYZ(38.2606, 49.9443, 12.1417)
contains.

XYZ(38.3062, 49.9653, 12.1827)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.3062, 49.9653,
12.1827)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC73E
RGB	172, 199, 62
RGB Percent	67%, 78%, 24%
CMY	0.3255, 0.2196, 0.7568
CMYK	0.14, 0.00, 0.69, 0.22
HSL	72°, 55%, 51%
HSV	72°, 69%, 78%
XYZ	38.3062, 49.9653, 12.1827
YIQ	175.3090, 27.8850, -48.3310

Conversions

Conversions Part 2

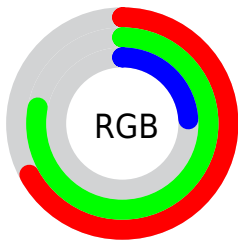
Format	Color
RYB	62, 199, 89
Decimal	11323198
CIELab	76.05, -27.43, 62.33
CIELCh	76, 68.098, 113.753
Yxy	49.9653, 0.3813, 0.4974
Android (android.graphics.Color)	4289513278 (0xFFACC73E)
YUV	175.3090, -55.8613, -2.9020
Hunter-Lab	70.6861, -26.9681, 39.2617

Details

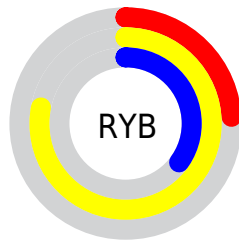
The XYZ color **38.3062, 49.9653, 12.1827** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **16.1530, 9.6938, 55.0555**, and the grayscale version is **41.1795, 43.3240, 47.1798**.

A 20% lighter version of the original color is **71.6040, 89.6273, 30.3555**, and **17.3279, 23.9638, 3.7122** is the 20% darker color. If you saturate the color by 10%, you get **37.0092, 49.3503, 9.7752**, and if you desaturate by 10%, it is **39.8309, 50.6779, 15.6462**.

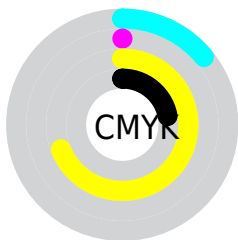
Distribution



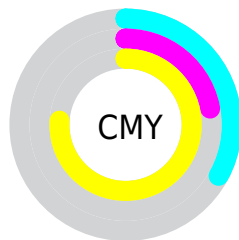
- Red (67%)
- Green (78%)
- Blue (24%)



- Red (24%)
- Yellow (78%)
- Blue (35%)



- Cyan (14%)
- Magenta (0%)
- Yellow (69%)
- Black (22%)



- Cyan (33%)
- Magenta (22%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3062, 49.9653, 12.1827 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 38.3062, 49.9653, 12.1827 by changing the saturation by 10% instead.

■ 38.3062, 49.9653,
12.1827

■ 38.3062, 49.9653,
12.1827

330.1899,
386.5302, 216.6317

■ 26.3987, 35.3858,
6.7442

■ 71.8781, 90.1235,
30.4968

■ 17.2564, 23.9602,
3.2266

■ 94.2732, 116.4709,
44.2094

■ 10.5139, 15.3041,
1.2115

■ 120.8949,
147.5099, 61.5172

■ 5.8059, 9.0331,
0.0000

■ 152.1086,
183.6247, 82.8386

■ 2.7669, 4.7628,
0.0000

■ 188.2796,
225.1997, 108.5922

■ 1.0317, 2.1088,
0.0000

229.7732,

■ 0.0000, 0.6695,

272.6194, 139.1966

0.0000

276.9548,
326.2681, 175.0703

■ 0.0000, 0.0000,
0.0000

■ 38.3062, 49.9653,
12.1827

■ 38.3062, 49.9653,
12.1827

■ 37.0092, 49.3503,
9.7752

■ 39.8309, 50.6779,
15.6462

■ 35.9130, 48.8167,
8.2991

■ 41.5995, 51.4893,
20.2657

■ 34.9807, 48.3516,
7.5552

■ 43.6308, 52.4087,
26.1332

■ 34.8773, 48.2998,
7.4846

■ 45.9404, 53.4424,
33.3306

■ 48.5428, 54.5963,
41.9327

■ 51.4514, 55.8757,
52.0088

■ 54.6785, 57.2856,
63.6237

■ 58.2361, 58.8308,
76.8383

■ 62.1352, 60.5157,
91.7101

Harmonies

Analogous

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



50.2015, 49.9653, 10.2596



38.3062, 49.9653, 12.1827



30.3734, 49.9653, 22.6127

Triad

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



38.3062, 49.9653, 12.1827



34.4496, 49.9653, 132.6822



76.1819, 49.9653, 62.3860

Complementary

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



38.3062, 49.9653, 12.1827



16.1530, 9.6938, 55.0555

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.



70.0672, 49.9653, 107.2061



38.3062, 49.9653, 12.1827



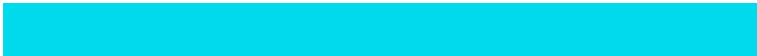
44.8789, 49.9653, 157.9369

Square

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



38.3062, 49.9653, 12.1827



28.4406, 49.9653, 87.7684



58.0367, 49.9653, 146.9747



73.5728, 49.9653, 30.7898

Rectangle

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



38.3062, 49.9653, 12.1827



27.6698, 49.9653, 37.0679



58.0367, 49.9653, 146.9747



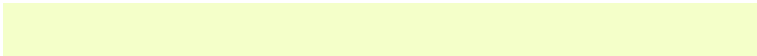
75.0483, 49.9653, 76.4441

Sweetspot

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



38.3074, 49.9676, 12.1838



83.8183, 95.0709, 69.4691



27.8421, 19.3267, 6.8210



17.6638, 20.2265, 13.9491



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.



38.3074, 49.9676, 12.1838



63.7244, 85.8851, 15.5382



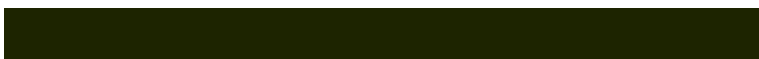
27.1655, 44.2237, 11.6623



11.3112, 12.3073, 11.3422



22.4975, 31.0932, 4.8158



1.1191, 1.5000, 0.2305

Inverse Universe

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



16.1530, 9.6938, 55.0555



22.6793, 10.9079, 95.5178



25.6694, 14.5997, 55.5009



10.2487, 10.3865, 13.3821



7.2297, 2.9613, 34.9349



0.4020, 0.1710, 1.6570

Previews

White Background



This preview shows how the XYZ color 38.3062, 49.9653, 12.1827 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 38.3062, 49.9653, 12.1827 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 38.3062, 49.9653, 12.1827

Background



This preview shows how black text looks on a background with the XYZ color 38.3062, 49.9653, 12.1827.



This preview shows how white text looks on a background with the XYZ color 38.3062, 49.9653,

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

38.3062, 49.9653, 12.1827

Protanopia

45.1381, 49.5581, 11.3243

Deuteranopia

50.6302, 49.6066, 12.7009



Tritanopia

48.3512, 49.7740, 62.3173

Trichromacy



Original Color

38.3062, 49.9653, 12.1827

Protanomaly

42.2114, 49.3236, 11.5706

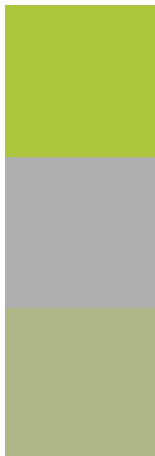
Deuteranomaly

45.4360, 49.3719, 12.4452

Tritanomaly

43.1919, 49.2874, 36.0911

Monochromacy



Original Color

38.3062, 49.9653, 12.1827

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

38.8991, 45.0009, 29.1901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3062, 49.9653, 12.1827 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(172, 199, 62)` looks like.

```
.text, #text, p{  
    color:rgb(172, 199, 62)  
}
```

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(172, 199, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 199, 62) }
```

Border

The CSS property to change the border of an element to XYZ 38.3062, 49.9653, 12.1827 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(172, 199, 62) }
```


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

```
.border{ border-color:rgb(172, 199, 62) }
```

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

Here you see how a box with a 4 pixel rgb(172, 199, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 199, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 199, 62);  
box-shadow:4px 4px 4px 4px rgb(172, 199,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3062, 49.9653, 12.1827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 199, 62) }
```

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

```
.background{ background-color: rgb(172,  
199, 62) }
```

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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