

Converting Colors

XYZ(37.6411, 49.2820, 12.0859)

Have a look what the booklet for
XYZ(37.6411, 49.2820, 12.0859)
contains.

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Color

**XYZ(37.6411, 49.2820,
12.0859)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC63E
RGB	170, 198, 62
RGB Percent	67%, 78%, 24%
CMY	0.3333, 0.2235, 0.7568
CMYK	0.14, 0.00, 0.69, 0.22
HSL	72°, 54%, 51%
HSV	72°, 69%, 78%
XYZ	37.6411, 49.2820, 12.0859
YIQ	174.1240, 26.9680, -48.2320

Conversions

Conversions Part 2

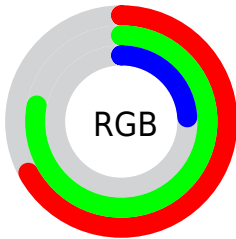
Format	Color
RYB	62, 198, 90
Decimal	11191870
CIELab	75.63, -27.76, 61.86
CIELCh	76, 67.803, 114.171
Yxy	49.2820, 0.3802, 0.4978
Android (android.graphics.Color)	4289381950 (0xFFAAC63E)
YUV	174.1240, -55.2771, -3.6167
Hunter-Lab	70.2011, -27.1422, 38.9334

Details

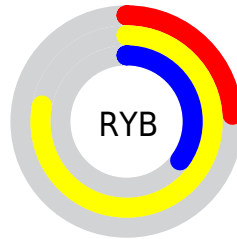
The XYZ color **37.6411, 49.2820, 12.0859** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **16.1339, 9.6974, 54.4505**, and the grayscale version is **40.5627, 42.6751, 46.4732**.

A 20% lighter version of the original color is **70.9658, 89.2983, 30.3256**, and **16.9127, 23.5239, 3.6492** is the 20% darker color. If you saturate the color by 10%, you get **36.3263, 48.6576, 9.6869**, and if you desaturate by 10%, it is **39.1834, 50.0041, 15.5304**.

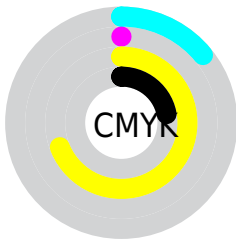
Distribution



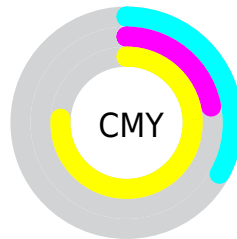
- Red (67%)
- Green (78%)
- Blue (24%)



- 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 37.6411, 49.2820, 12.0859 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 37.6411, 49.2820, 12.0859 by changing the saturation by 10% instead.


 37.6411, 49.2820,
12.0859


 37.6411, 49.2820,
12.0859


327.3854,
383.8514, 215.9712


 25.8802, 34.8432,
6.6790


 70.8652, 89.1101,
30.3182

 16.8663, 23.5421,
3.1868


 93.0590, 115.2683,
43.9806


 10.2339, 14.9943,
1.1908


 119.4613,
146.1017, 61.2320

 5.6178, 8.8154,
0.0000

 150.4372,
181.9948, 82.4907

 2.6525, 4.6210,
0.0000

 186.3523,
223.3319, 108.1755

 0.9728, 2.0266,
0.0000

227.5717,

 0.0000, 0.6229,

270.4974, 138.7048

0.0000

274.4610,
323.8758, 174.4972

■ 0.0000, 0.0000,
0.0000

■ 37.6411, 49.2820,
12.0859

■ 37.6411, 49.2820,
12.0859

■ 36.3263, 48.6576,
9.6869

■ 39.1834, 50.0041,
15.5304

■ 35.2127, 48.1150,
8.2108

■ 40.9694, 50.8251,
20.1190

■ 34.2643, 47.6416,
7.4646

■ 43.0175, 51.7542,
25.9423

■ 34.1450, 47.5818,
7.3846

■ 45.3431, 52.7975,
33.0810

■ 47.9606, 53.9608,
41.6091

■ 50.8833, 55.2495,
51.5950

■ 54.1233, 56.6684,
63.1024

■ 57.6924, 58.2224,
76.1915

■ 61.6016, 59.9157,
90.9191

Harmonies

Analogous

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



49.3343, 49.2820, 10.0963



37.6411, 49.2820, 12.0859



29.8777, 49.2820, 22.5255

Triad

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



37.6411, 49.2820, 12.0859



34.0906, 49.2820, 131.4308



75.1736, 49.2820, 60.9875

Complementary

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



37.6411, 49.2820, 12.0859



16.1339, 9.6974, 54.4505

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.



69.2495, 49.2820, 105.1167



37.6411, 49.2820, 12.0859



44.4333, 49.2820, 155.9197

Square

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



37.6411, 49.2820, 12.0859



28.0985, 49.2820, 87.2126



57.4298, 49.2820, 144.5986



72.4783, 49.2820, 30.0501

Rectangle

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



37.6411, 49.2820, 12.0859



27.2535, 49.2820, 36.9336



57.4298, 49.2820, 144.5986



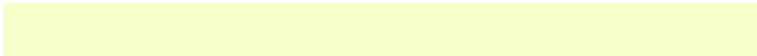
74.0958, 49.2820, 74.7987

Sweetspot

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



37.6422, 49.2842, 12.0869



83.6544, 94.9865, 69.4615



27.7491, 19.5331, 6.8658



17.6244, 20.2062, 13.9473



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.



37.6422, 49.2842, 12.0869



63.3857, 85.7048, 15.7764



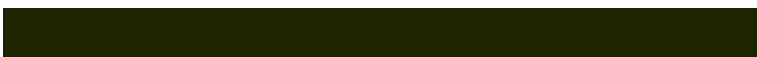
26.6360, 43.6103, 11.5719



11.3018, 12.3025, 11.3417



22.2764, 30.9792, 4.8055



1.1103, 1.4955, 0.2301

Inverse Universe

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



16.1339, 9.6974, 54.4505



23.1389, 11.2880, 95.5670



25.8611, 14.7119, 54.9057



10.2574, 10.3909, 13.3825



7.2756, 2.9850, 34.9370



0.4059, 0.1730, 1.6571

Previews

White Background



This preview shows how the XYZ color 37.6411, 49.2820, 12.0859 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 37.6411, 49.2820, 12.0859 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 37.6411, 49.2820, 12.0859

Background



This preview shows how black text looks on a background with the XYZ color 37.6411, 49.2820, 12.0859.



This preview shows how white text looks on a background with the XYZ color 37.6411, 49.2820,

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

37.6411, 49.2820, 12.0859

Protanopia

44.3607, 48.8435, 11.2273

Deuteranopia

50.1063, 49.0423, 12.6196



Tritanopia

47.5415, 49.0584, 61.6071

Trichromacy



Original Color

37.6411, 49.2820, 12.0859

Protanomaly

41.4772, 48.6225, 11.4740

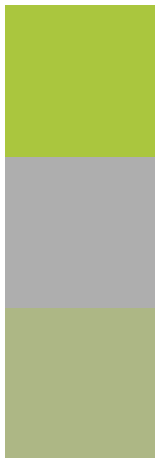
Deuteranomaly

44.6566, 48.6585, 12.3486

Tritanomaly

42.5089, 48.6126, 35.9969

Monochromacy



Original Color

37.6411, 49.2820, 12.0859

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.4007, 44.4447, 28.7450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6411, 49.2820, 12.0859 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(170, 198, 62)` looks like.

```
.text, #text, p{  
    color:rgb(170, 198, 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(170, 198, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 198, 62) }
```

Border

The CSS property to change the border of an element to XYZ 37.6411, 49.2820, 12.0859 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(170, 198, 62) }
```


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

```
.border{ border-color:rgb(170, 198, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 198, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 198, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 198, 62);  
box-shadow:4px 4px 4px 4px rgb(170, 198,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6411, 49.2820, 12.0859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 198, 62) }
```

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

```
.background{ background-color: rgb(170,  
198, 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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