

Converting Colors

XYZ(31.2536, 42.5305, 11.9511)

Have a look what the booklet for
XYZ(31.2536, 42.5305, 11.9511)
contains.

XYZ(31.4210, 42.7734, 12.0689)	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(31.4210, 42.7734,
12.0689)**

Conversions

Conversions Part 1

Format	Color
Hex	95BC44
RGB	149, 188, 68
RGB Percent	58%, 74%, 27%
CMY	0.4157, 0.2627, 0.7333
CMYK	0.21, 0.00, 0.64, 0.26
HSL	80°, 47%, 50%
HSV	80°, 64%, 74%
XYZ	31.4210, 42.7734, 12.0689
YIQ	162.6590, 15.2760, -45.5880

Conversions

Conversions Part 2

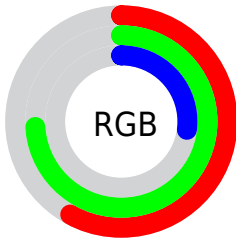
Format	Color
RYB	68, 188, 107
Decimal	9813060
CIELab	71.40, -31.00, 54.62
CIELCh	71, 62.804, 119.581
Yxy	42.7734, 0.3642, 0.4958
Android (android.graphics.Color)	4288003140 (0xFF95BC44)
YUV	162.6590, -46.6669, -11.9789
Hunter-Lab	65.4014, -28.6951, 34.8398

Details

The XYZ color **31.4210, 42.7734, 12.0689** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.2095, 10.8921, 48.7749**, and the grayscale version is **34.8609, 36.6764, 39.9406**.

A 20% lighter version of the original color is **61.2555, 79.2037, 30.1485**, and **13.3997, 19.7674, 3.1954** is the 20% darker color. If you saturate the color by 10%, you get **29.8513, 42.0216, 9.4659**, and if you desaturate by 10%, it is **33.2353, 43.6328, 15.6453**.

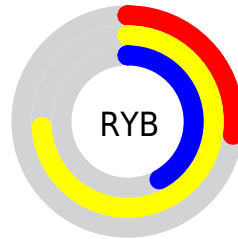
Distribution



Red (58%)

Green (74%)

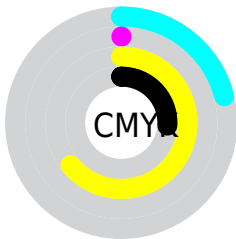
Blue (27%)



Red (27%)

Yellow (74%)

Blue (42%)

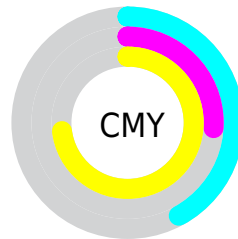


Cyan (21%)

Magenta (0%)

Yellow (64%)

Black (26%)



Cyan (42%)

Magenta (26%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4210, 42.7734, 12.0689 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 31.4210, 42.7734, 12.0689 by changing the saturation by 10% instead.

■ 31.4210, 42.7734,
12.0689

■ 31.4210, 42.7734,
12.0689

300.2656,
357.6790, 215.8550

■ 21.0730, 29.7074,
6.6675

■ 61.2736, 79.3688,
30.2868

■ 13.2902, 19.6166,
3.1798

■ 81.5090, 103.6670,
43.9404

■ 7.7070, 12.1166,
1.1871

■ 105.7709,
132.4779, 61.1818

■ 3.9583, 6.8232,
0.0000

■ 134.4247,
166.1861, 82.4296

■ 1.6786, 3.3518,
0.0000

■ 167.8357,
205.1760, 108.1022

■ 0.4428, 1.3180,
0.0000

206.3692,

■ 0.0000, 0.1551,

249.8318, 138.6183

0.0000

250.3908,
300.5380, 174.3964

■ 0.0000, 0.0000,
0.0000

■ 31.4210, 42.7734,
12.0689

■ 31.4210, 42.7734,
12.0689

■ 29.8513, 42.0216,
9.4659

■ 33.2353, 43.6328,
15.6453

■ 28.5038, 41.3638,
7.7372

■ 35.3078, 44.6009,
20.2761

■ 27.3566, 40.7927,
6.7671

■ 37.6546, 45.6856,
26.0370

■ 26.7210, 40.4724,
6.4036

■ 40.2895, 46.8927,
32.9961

■ 43.2251, 48.2271,
41.2159

■ 46.4733, 49.6939,
50.7546

■ 50.0452, 51.2974,
61.6669

■ 53.9514, 53.0421,
74.0043

■ 58.2019, 54.9321,
87.8156

Harmonies

Analogous

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



40.8039, 42.7734, 9.2399



31.4210, 42.7734, 12.0689



25.5209, 42.7734, 22.8731

Triad

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



31.4210, 42.7734, 12.0689



31.2044, 42.7734, 116.9981



64.5649, 42.7734, 47.0005

Complementary

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



31.4210, 42.7734, 12.0689



17.2095, 10.8921, 48.7749

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.



60.8301, 42.7734, 82.7166



31.4210, 42.7734, 12.0689



40.5062, 42.7734, 132.4424

Square

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



31.4210, 42.7734, 12.0689



25.4120, 42.7734, 81.6385



51.5407, 42.7734, 117.7876



61.0250, 42.7734, 23.3357

Rectangle

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



31.4210, 42.7734, 12.0689



23.7570, 42.7734, 36.8155



51.5407, 42.7734, 117.7876



64.1103, 42.7734, 57.9180

Sweetspot

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



31.4220, 42.7753, 12.0698



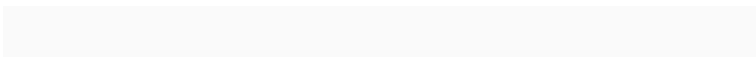
75.3493, 86.0448, 66.2374



26.9381, 21.4183, 8.1838



15.8825, 18.3574, 13.3544



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.4220, 42.7753, 12.0698



52.9682, 75.6049, 15.5820



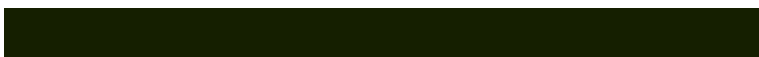
23.2446, 38.5597, 11.6871



10.0126, 10.9609, 10.1646



18.2726, 27.5958, 4.3634



0.7816, 1.1149, 0.1740

Inverse Universe

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



17.2095, 10.8921, 48.7749



25.2932, 13.2600, 87.4525



26.8718, 15.8732, 49.2271



9.3007, 9.3719, 11.9910



7.5651, 3.1860, 32.6091



0.3666, 0.1610, 1.2806

Previews

White Background



This preview shows how the XYZ color 31.4210, 42.7734, 12.0689 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 31.4210, 42.7734, 12.0689 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 31.4210, 42.7734, 12.0689

Background



This preview shows how black text looks on a background with the XYZ color 31.4210, 42.7734, 12.0689.



This preview shows how white text looks on a background with the XYZ color 31.4210, 42.7734,

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

31.4210, 42.7734, 12.0689

Protanopia

38.7611, 42.6322, 11.0364

Deuteranopia

43.2251, 42.3794, 12.5584



Tritanopia

40.1294, 42.6609, 54.8345

Trichromacy



Original Color

31.4210, 42.7734, 12.0689

Protanomaly

35.6355, 42.4891, 11.3241

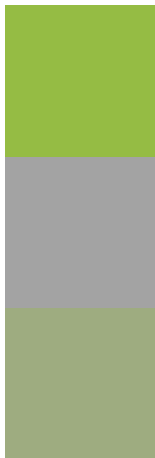
Deuteranomaly

38.0440, 41.9465, 12.2222

Tritanomaly

35.8076, 42.0888, 33.4308

Monochromacy



Original Color

31.4210, 42.7734, 12.0689

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

32.7494, 38.3327, 26.0949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4210, 42.7734, 12.0689 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(149, 188, 68)` looks like.

```
.text, #text, p{  
    color:rgb(149, 188, 68)  
}
```

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(149, 188, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 188, 68) }
```

Border

The CSS property to change the border of an element to XYZ 31.4210, 42.7734, 12.0689 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(149, 188, 68) }
```


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

```
.border{ border-color:rgb(149, 188, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 188, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 188, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 188, 68);  
box-shadow:4px 4px 4px 4px rgb(149, 188,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4210, 42.7734, 12.0689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 188, 68) }
```

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

```
.background{ background-color: rgb(149,  
188, 68) }
```

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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