

Converting Colors

XYZ(31.4705, 43.4220, 14.7843)

Have a look what the booklet for
XYZ(31.4705, 43.4220, 14.7843)
contains.

XYZ(31.4380, 43.3654, 14.6960)	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(31.4380, 43.3654,
14.6960)**

Conversions

Conversions Part 1

Format	Color
Hex	90BE52
RGB	144, 190, 82
RGB Percent	56%, 75%, 32%
CMY	0.4353, 0.2549, 0.6784
CMYK	0.24, 0.00, 0.57, 0.25
HSL	86°, 45%, 53%
HSV	86°, 57%, 75%
XYZ	31.4380, 43.3654, 14.6960
YIQ	163.9340, 7.2520, -43.3400

Conversions

Conversions Part 2

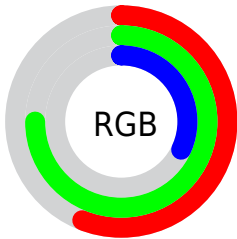
Format	Color
RYB	82, 190, 128
Decimal	9485906
CIELab	71.80, -32.67, 48.79
CIELCh	72, 58.720, 123.806
Yxy	43.3654, 0.3513, 0.4845
Android (android.graphics.Color)	4287675986 (0xFF90BE52)
YUV	163.9340, -40.3935, -17.4821
Hunter-Lab	65.8524, -30.0257, 32.8652

Details

The XYZ color **31.4380, 43.3654, 14.6960** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.2155, 14.3427, 50.3680**, and the grayscale version is **35.4399, 37.2855, 40.6039**.

A 20% lighter version of the original color is **61.4534, 80.5502, 35.2305**, and **13.2424, 19.8707, 4.2999** is the 20% darker color. If you saturate the color by 10%, you get **29.4498, 42.4141, 11.3376**, and if you desaturate by 10%, it is **33.7299, 44.4529, 19.1153**.

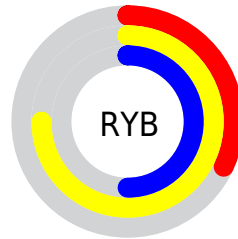
Distribution



Red (56%)

Green (75%)

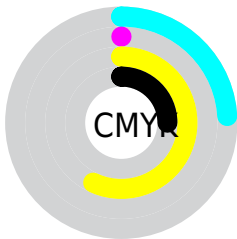
Blue (32%)



Red (32%)

Yellow (75%)

Blue (50%)

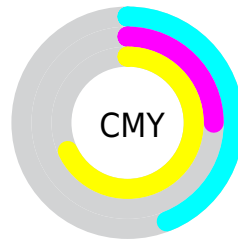


Cyan (24%)

Magenta (0%)

Yellow (57%)

Black (25%)



Cyan (44%)

Magenta (25%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4380, 43.3654, 14.6960 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 31.4380, 43.3654, 14.6960 by changing the saturation by 10% instead.

■ 31.4380, 43.3654,
14.6960

■ 31.4380, 43.3654,
14.6960

300.3421,
360.1123, 233.0958

■ 21.0861, 30.1719,
8.4621

■ 61.3002, 80.2620,
35.0537

■ 13.2997, 19.9691,
4.3000

■ 81.5411, 104.7339,
50.0146

■ 7.7137, 12.3726,
1.7913

■ 105.8091,
133.7340, 68.7215

■ 3.9626, 6.9980,
0.4222

■ 134.4695,
167.6468, 91.5930

■ 1.6810, 3.4608,
0.0000

■ 167.8876,
206.8566, 119.0476

■ 0.4443, 1.3768,
0.0000

206.4289,

■ 0.0000, 0.1995,

251.7479, 151.5040

0.0000

250.4586,
302.7050, 189.3805

■ 0.0000, 0.0000,
0.0000

■ 31.4380, 43.3654,
14.6960

■ 31.4380, 43.3654,
14.6960

■ 29.4498, 42.4141,
11.3376

■ 33.7299, 44.4529,
19.1153

■ 27.7430, 41.5854,
8.9476

■ 36.3393, 45.6778,
24.6719

■ 26.2967, 40.8720,
7.4229

■ 39.2831, 47.0486,
31.4386

■ 25.0818, 40.2622,
6.6218

■ 42.5755, 48.5713,
39.4811

■ 24.7296, 40.0844,
6.4337

■ 46.2300, 50.2515,
48.8605

■ 50.2593, 52.0944,
59.6341

■ 54.6754, 54.1050,
71.8556

■ 59.4898, 56.2882,
85.5760

■ 64.7132, 58.6485,
100.8437

Harmonies

Analogous

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



39.9571, 43.3654, 10.8745



31.4380, 43.3654, 14.6960



26.2878, 43.3654, 26.8796

Triad

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



31.4380, 43.3654, 14.6960



33.3156, 43.3654, 115.6719



63.4773, 43.3654, 43.6634

Complementary

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



31.4380, 43.3654, 14.6960



21.2155, 14.3427, 50.3680

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.



60.9407, 43.3654, 75.8609



31.4380, 43.3654, 14.6960



42.5042, 43.3654, 125.9988

Square

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



31.4380, 43.3654, 14.6960



27.2427, 43.3654, 84.8608



52.8400, 43.3654, 109.1697



59.3028, 43.3654, 22.7697

Rectangle

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



31.4380, 43.3654, 14.6960



24.9348, 43.3654, 41.5339



52.8400, 43.3654, 109.1697



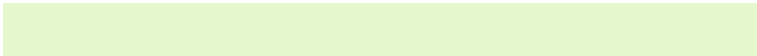
63.3844, 43.3654, 53.3975

Sweetspot

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



31.4390, 43.3673, 14.6969



76.8768, 87.8883, 70.8603



30.3492, 26.7366, 11.5443



16.6048, 19.1718, 14.8718



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.4390, 43.3673, 14.6969



52.6223, 76.4981, 19.4183



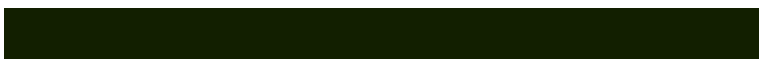
24.2522, 39.6624, 14.3606



9.9189, 10.9126, 10.1602



16.5342, 26.6996, 4.2821



0.7210, 1.0837, 0.1712

Inverse Universe

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



21.2155, 14.3427, 50.3680



32.3746, 18.9110, 90.2230



31.3693, 19.5772, 50.8431



9.3914, 9.4187, 11.9952



8.5186, 3.6776, 32.6538



0.4086, 0.1827, 1.2826

Previews

White Background



This preview shows how the XYZ color 31.4380, 43.3654, 14.6960 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 31.4380, 43.3654, 14.6960 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 31.4380, 43.3654, 14.6960

Background



This preview shows how black text looks on a background with the XYZ color 31.4380, 43.3654, 14.6960.



This preview shows how white text looks on a background with the XYZ color 31.4380, 43.3654,

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

31.4380, 43.3654, 14.6960

Protanopia

39.4062, 43.2028, 13.4698

Deuteranopia

43.8991, 42.9409, 15.2072



Tritanopia

39.8441, 43.0620, 56.6639

Trichromacy



Original Color

31.4380, 43.3654, 14.6960

Protanomaly

35.8397, 42.8424, 13.7776

Deuteranomaly

38.2449, 42.2790, 14.9490

Tritanomaly

35.8041, 42.6258, 36.4775

Monochromacy



Original Color

31.4380, 43.3654, 14.6960

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.1513, 38.7765, 28.2916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4380, 43.3654, 14.6960 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(144, 190, 82)` looks like.

```
.text, #text, p{  
    color:rgb(144, 190, 82)  
}
```

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(144, 190, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 190, 82) }
```

Border

The CSS property to change the border of an element to XYZ 31.4380, 43.3654, 14.6960 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(144, 190, 82) }
```


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

```
.border{ border-color:rgb(144, 190, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 190, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 190, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 190, 82);  
box-shadow:4px 4px 4px 4px rgb(144, 190,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4380, 43.3654, 14.6960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 190, 82) }
```

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

```
.background{ background-color: rgb(144,  
190, 82) }
```

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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