

Converting Colors

XYZ(31.2167, 41.4143, 6.3485)

Have a look what the booklet for
XYZ(31.2167, 41.4143, 6.3485)
contains.

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Color

**XYZ(31.2410, 41.5501,
6.3734)**

Conversions

Conversions Part 1

Format	Color
Hex	9EB800
RGB	158, 184, 0
RGB Percent	62%, 72%, 0%
CMY	0.3804, 0.2784, 0.9999
CMYK	0.14, 0.00, 1.00, 0.28
HSL	68°, 100%, 36%
HSV	68°, 100%, 72%
XYZ	31.2410, 41.5501, 6.3734
YIQ	155.2500, 43.5680, -62.7360

Conversions

Conversions Part 2

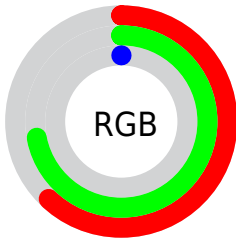
Format	Color
RYB	0, 184, 26
Decimal	10401792
CIELab	70.56, -28.04, 71.59
CIELCh	71, 76.881, 111.389
Yxy	41.5501, 0.3946, 0.5249
Android (android.graphics.Color)	4288591872 (0xFF9EB800)
YUV	155.2500, -76.5383, 2.4118
Hunter-Lab	64.4594, -26.2917, 39.2593

Details

The XYZ color **31.2410, 41.5501, 6.3734** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **9.0791, 3.6813, 45.5820**, and the grayscale version is **31.5837, 33.2286, 36.1859**.

A 20% lighter version of the original color is **60.8903, 77.4836, 19.1437**, and **13.5958, 19.0574, 2.9619** is the 20% darker color. If you saturate the color by 10%, you get **31.2413, 41.5517, 6.3737**, and if you desaturate by 10%, it is **31.8716, 41.8636, 6.9911**.

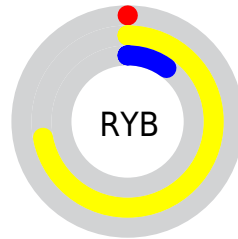
Distribution



Red (62%)

Green (72%)

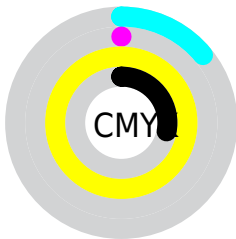
Blue (0%)



Red (0%)

Yellow (72%)

Blue (10%)

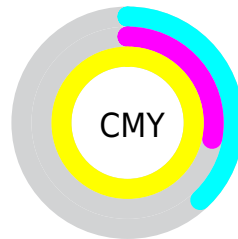


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (38%)

Magenta (28%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2410, 41.5501, 6.3734 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 31.2410, 41.5501, 6.3734 by changing the saturation by 10% instead.

■ 31.2410, 41.5501,
6.3734

■ 31.2410, 41.5501,
6.3734

299.4542,
352.6145, 171.7790

■ 20.9352, 28.7492,
3.0010

■ 60.9926, 77.5183,
19.1920

■ 13.1888, 18.8912,
1.0951

■ 81.1690, 101.4543,
29.4753

■ 7.6366, 11.5917,
0.0000

■ 105.3663,
129.8708, 42.8993

■ 3.9131, 6.4663,
0.0000

■ 133.9500,
163.1522, 59.8826

■ 1.6531, 3.1306,
0.0000

■ 167.2852,
201.6829, 80.8437

■ 0.4266, 1.2003,
0.0000

■ 205.7374,

■ 0.0000, 0.0620,

245.8472, 106.2010

0.0000

249.6719,
296.0296, 136.3733

■ 0.0000, 0.0000,
0.0000

■ 31.2410, 41.5501,
6.3734

■ 31.2410, 41.5501,
6.3734

■ 31.2413, 41.5517,
6.3737

■ 31.8716, 41.8636,
6.9911

■ 32.6180, 42.2231,
8.1662

■ 33.5207, 42.6465,
10.1071

■ 34.5990, 43.1413,
12.9154

■ 35.8695, 43.7143,
16.6774

■ 37.3465, 44.3712,
21.4688

■ 39.0430, 45.1172,
27.3578

■ 40.9710, 45.9571,
34.4069

■ 43.1415, 46.8953,
42.6735

Harmonies

Analogous

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



43.2613, 41.5501, 5.3440



31.2410, 41.5501, 6.3734



23.3224, 41.5501, 14.1333

Triad

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



31.2410, 41.5501, 6.3734



26.1326, 41.5501, 124.8177



68.8819, 41.5501, 56.5376

Complementary

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



31.2410, 41.5501, 6.3734



9.0791, 3.6813, 45.5820

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.



61.8051, 41.5501, 104.4005



31.2410, 41.5501, 6.3734



35.9485, 41.5501, 155.5592

Square

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



31.2410, 41.5501, 6.3734



20.8429, 41.5501, 75.8304



49.0814, 41.5501, 146.5635



66.8643, 41.5501, 24.2327

Rectangle

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



31.2410, 41.5501, 6.3734



20.5796, 41.5501, 26.3948



49.0814, 41.5501, 146.5635



67.4410, 41.5501, 71.4241

Sweetspot

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



31.2419, 41.5520, 6.3743



70.6045, 81.7093, 48.9935



20.1065, 10.8672, 1.0384



14.9347, 17.4893, 9.5551



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.2419, 41.5520, 6.3743



56.4753, 75.2396, 11.5461



19.4894, 35.4933, 5.8243



9.6220, 10.4373, 9.6144



21.5752, 28.6587, 4.3946



0.7952, 1.0281, 0.1565

Inverse Universe

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



9.0791, 3.6813, 45.5820



16.3394, 6.6115, 82.6196



15.9274, 7.2117, 45.9025



8.6361, 8.7788, 11.3187



6.2933, 2.5555, 31.4146



0.2598, 0.1097, 1.1092

Previews

White Background



This preview shows how the XYZ color 31.2410, 41.5501, 6.3734 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 31.2410, 41.5501, 6.3734 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 31.2410, 41.5501, 6.3734

Background



This preview shows how black text looks on a background with the XYZ color 31.2410, 41.5501, 6.3734.



This preview shows how white text looks on a background with the XYZ color 31.2410, 41.5501,

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

31.2410, 41.5501, 6.3734

Protanopia

37.1917, 41.3565, 6.0224

Deuteranopia

41.9732, 41.0504, 7.0778



Tritanopia

40.3331, 41.3993, 51.7640

Trichromacy



Original Color

31.2410, 41.5501, 6.3734

Protanomaly

34.7782, 41.2680, 6.1325

Deuteranomaly

37.4541, 40.9121, 6.5846

Tritanomaly

34.7317, 40.5742, 23.1406

Monochromacy



Original Color

31.2410, 41.5501, 6.3734

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.5987, 35.2412, 17.0466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2410, 41.5501, 6.3734 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(158, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 184, 0)  
}
```

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(158, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 184, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.2410, 41.5501, 6.3734 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(158, 184, 0) }
```


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

```
.border{ border-color:rgb(158, 184, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 184, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 184,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2410, 41.5501, 6.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 184, 0) }
```

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

```
.background{ background-color: rgb(158,  
184, 0) }
```

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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