

Converting Colors

XYZ(31.8010, 41.0530, 12.5707)

Have a look what the booklet for
XYZ(31.8010, 41.0530, 12.5707)
contains.

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Color

**XYZ(31.8352, 41.1050,
12.5595)**

Conversions

Conversions Part 1

Format	Color
Hex	9DB649
RGB	157, 182, 73
RGB Percent	62%, 71%, 29%
CMY	0.3843, 0.2863, 0.7137
CMYK	0.14, 0.00, 0.60, 0.29
HSL	74°, 43%, 50%
HSV	74°, 60%, 71%
XYZ	31.8352, 41.1050, 12.5595
YIQ	162.0990, 20.0890, -39.1990

Conversions

Conversions Part 2

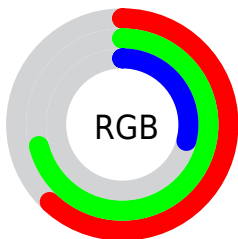
Format	Color
RYB	73, 182, 98
Decimal	10335817
CIELab	70.25, -24.53, 51.35
CIELCh	70, 56.906, 115.532
Yxy	41.1050, 0.3723, 0.4808
Android (android.graphics.Color)	4288525897 (0xFF9DB649)
YUV	162.0990, -43.9258, -4.4718
Hunter-Lab	64.1132, -23.5644, 33.2646

Details

The XYZ color **31.8352, 41.1050, 12.5595** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **15.8645, 10.7402, 45.4952**, and the grayscale version is **34.5829, 36.3839, 39.6220**.

A 20% lighter version of the original color is **62.0720, 76.9516, 31.3203**, and **13.5373, 18.6215, 3.3710** is the 20% darker color. If you saturate the color by 10%, you get **30.5176, 40.4869, 9.7960**, and if you desaturate by 10%, it is **33.3592, 41.8118, 16.2559**.

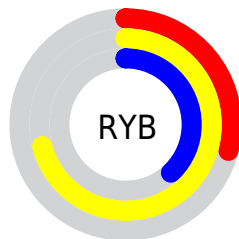
Distribution



Red (62%)

Green (71%)

Blue (29%)



Red (29%)

Yellow (71%)

Blue (38%)

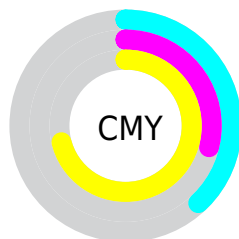


Cyan (14%)

Magenta (0%)

Yellow (60%)

Black (29%)



Cyan (38%)

Magenta (29%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8352, 41.1050, 12.5595 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 31.8352, 41.1050, 12.5595 by changing the saturation by 10% instead.

■ 31.8352, 41.1050,
12.5595

■ 31.8352, 41.1050,
12.5595

302.1265,
350.7593, 219.1827

■ 21.3906, 28.4011,
6.9988

■ 61.9196, 76.8433,
31.1896

■ 13.5239, 18.6283,
3.3829

■ 82.2901, 100.6465,
45.0961

■ 7.8698, 11.4020,
1.2933

■ 106.6999,
128.9182, 62.6215

■ 4.0628, 6.3379,
0.0563

■ 135.5144,
162.0429, 84.1845

■ 1.7377, 3.0516,
0.0000

■ 169.0990,
200.4050, 110.2036

■ 0.4797, 1.1587,
0.0000

207.8189,

■ 0.0000, 0.0276,

244.3888, 141.0973

0.0000

252.0397,
294.3788, 177.2842

■ 0.0000, 0.0000,
0.0000

■ 31.8352, 41.1050,
12.5595

■ 31.8352, 41.1050,
12.5595

■ 30.5176, 40.4869,
9.7960

■ 33.3592, 41.8118,
16.2559

■ 29.3872, 39.9454,
7.8791

■ 35.1010, 42.6075,
20.9564

■ 28.4260, 39.4748,
6.7108

■ 37.0742, 43.4990,
26.7280

■ 27.5957, 39.0596,
6.0906

■ 39.2909, 44.4912,
33.6315

■ 27.5868, 39.0552,
6.0844

■ 41.7617, 45.5884,
41.7229

■ 44.4970, 46.7948,
51.0546

■ 47.5063, 48.1142,
61.6760

■ 50.7987, 49.5503,
73.6335

■ 54.3829, 51.1065,
86.9714

Harmonies

Analogous

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



40.4834, 41.1050, 10.5888



31.8352, 41.1050, 12.5595



26.0659, 41.1050, 21.5204

Triad

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



31.8352, 41.1050, 12.5595



29.7697, 41.1050, 101.8876



59.8239, 41.1050, 48.8795

Complementary

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



31.8352, 41.1050, 12.5595



15.8645, 10.7402, 45.4952

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.



55.8055, 41.1050, 80.5878



31.8352, 41.1050, 12.5595



37.6881, 41.1050, 118.0101

Square

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



31.8352, 41.1050, 12.5595



25.0133, 41.1050, 70.7562



47.3233, 41.1050, 108.9725



57.5969, 41.1050, 26.0621

Rectangle

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



31.8352, 41.1050, 12.5595



24.1447, 41.1050, 33.1075



47.3233, 41.1050, 108.9725



59.1430, 41.1050, 58.8598

Sweetspot

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



31.8362, 41.1069, 12.5604



71.9089, 80.9603, 63.1489



24.7348, 18.9060, 8.6495



15.6093, 17.7599, 13.0738



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.



31.8362, 41.1069, 12.5604



54.6067, 73.0566, 16.4399



23.6273, 36.8750, 12.1762



9.5433, 10.3967, 9.6107



19.5405, 27.6098, 4.2993



0.7389, 0.9991, 0.1539

Inverse Universe

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



15.8645, 10.7402, 45.4952



23.1727, 13.1047, 81.5438



23.6116, 14.7340, 45.8578



8.7088, 8.8162, 11.3221



6.6792, 2.7545, 31.4327



0.2907, 0.1256, 1.1107

Previews

White Background



This preview shows how the XYZ color 31.8352, 41.1050, 12.5595 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 31.8352, 41.1050, 12.5595 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 31.8352, 41.1050, 12.5595

Background



This preview shows how black text looks on a background with the XYZ color 31.8352, 41.1050, 12.5595.



This preview shows how white text looks on a background with the XYZ color 31.8352, 41.1050,

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

31.8352, 41.1050, 12.5595

Protanopia

37.3439, 41.0236, 11.7445

Deuteranopia

41.6599, 40.7559, 13.0681



Tritanopia

39.7922, 41.1326, 51.1895

Trichromacy



Original Color

31.8352, 41.1050, 12.5595

Protanomaly

35.2531, 41.0893, 12.0342

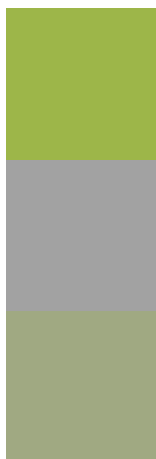
Deuteranomaly

37.4525, 40.4917, 12.8629

Tritanomaly

35.8811, 40.6729, 32.3451

Monochromacy



Original Color

31.8352, 41.1050, 12.5595

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.7144, 37.4612, 26.6256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8352, 41.1050, 12.5595 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(157, 182, 73)` looks like.

```
.text, #text, p{  
    color:rgb(157, 182, 73)  
}
```

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(157, 182, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 182, 73) }
```

Border

The CSS property to change the border of an element to XYZ 31.8352, 41.1050, 12.5595 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(157, 182, 73) }
```


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

```
.border{ border-color:rgb(157, 182, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 182, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 182, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 182, 73);  
box-shadow:4px 4px 4px 4px rgb(157, 182,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8352, 41.1050, 12.5595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 182, 73) }
```

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

```
.background{ background-color: rgb(157,  
182, 73) }
```

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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