

Converting Colors

XYZ(33.9414, 41.6210, 24.6571)

Have a look what the booklet for
XYZ(33.9414, 41.6210, 24.6571)
contains.

XYZ(33.9414, 41.6210, 24.6571)	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(33.9414, 41.6210,
24.6571)**

Conversions

Conversions Part 1

Format	Color
Hex	9DB57A
RGB	157, 181, 122
RGB Percent	62%, 71%, 48%
CMY	0.3843, 0.2902, 0.5216
CMYK	0.13, 0.00, 0.33, 0.29
HSL	84°, 29%, 59%
HSV	84°, 33%, 71%
XYZ	33.9414, 41.6210, 24.6571
YIQ	167.0980, 4.6350, -23.4370

Conversions

Conversions Part 2

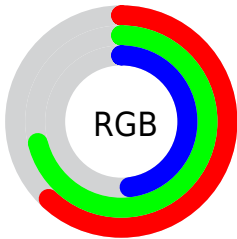
Format	Color
RYB	122, 181, 146
Decimal	10335610
CIELab	70.61, -18.58, 27.42
CIELCh	71, 33.123, 124.125
Yxy	41.6210, 0.3387, 0.4153
Android (android.graphics.Color)	4288525690 (0xFF9DB57A)
YUV	167.0980, -22.2333, -8.8559
Hunter-Lab	64.5143, -18.9901, 22.4997

Details

The XYZ color **33.9414, 41.6210, 24.6571** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.1557, 23.3674, 46.7974**, and the grayscale version is **36.8827, 38.8034, 42.2570**.

A 20% lighter version of the original color is **65.1734, 77.6606, 52.1124**, and **14.7146, 18.9095, 9.0052** is the 20% darker color. If you saturate the color by 10%, you get **31.5294, 40.4966, 19.2253**, and if you desaturate by 10%, it is **36.6511, 42.8773, 31.1949**.

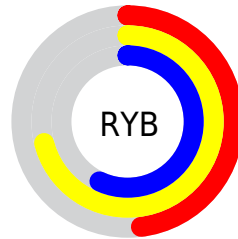
Distribution



Red (62%)

Green (71%)

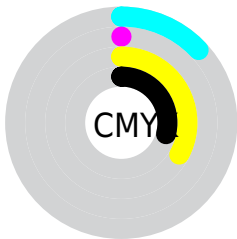
Blue (48%)



Red (48%)

Yellow (71%)

Blue (57%)

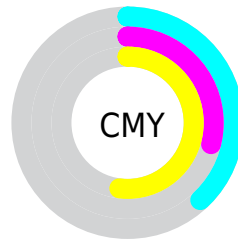


Cyan (13%)

Magenta (0%)

Yellow (33%)

Black (29%)



Cyan (38%)


Magenta (29%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9414, 41.6210, 24.6571 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 33.9414, 41.6210, 24.6571 by changing the saturation by 10% instead.


 33.9414, 41.6210,
24.6571


 33.9414, 41.6210,
24.6571


311.4612,
352.9094, 289.5188


 23.0113, 28.8046,
15.6051


 65.1874, 77.6257,
52.0576

 14.7226, 18.9331,
9.0938


 86.2340, 101.5828,
71.2431

 8.7100, 11.6219,
4.7048

 111.3835,
130.0223, 94.6436

 4.6081, 6.4868,
2.0194

141.0012,
163.3286, 122.6776

 2.0516, 3.1433,
0.5672

175.4524,
201.8861, 155.7635

 0.6627, 1.2070,
0.0000

215.1026,

 0.0000, 0.0674,

246.0791, 194.3200

0.0000

260.3171,
296.2921, 238.7656

■ 0.0000, 0.0000,
0.0000

■ 33.9414, 41.6210,
24.6571

■ 33.9414, 41.6210,
24.6571

■ 31.5294, 40.4966,
19.2253

■ 36.6511, 42.8773,
31.1949

■ 29.3987, 39.4931,
14.8356

■ 39.6674, 44.2650,
38.8926

■ 27.5361, 38.6066,
11.4216

■ 43.0029, 45.7907,
47.8037

■ 25.9258, 37.8304,
8.9081

■ 46.6683, 47.4589,
57.9777

■ 24.5497, 37.1572,
7.2093

■ 50.6738, 49.2738,
69.4612

■ 23.3867, 36.5783,
6.2221

■ 55.0293, 51.2395,
82.2985

■ 22.6324, 36.1981,
5.7941

■ 59.7439, 53.3599,
96.5319

■ 62.8671, 54.8547,
101.8823

■ 65.0906, 56.0010,
101.9864

Harmonies

Analogous

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



38.8070, 41.6210, 21.4032



33.9414, 41.6210, 24.6571



30.8214, 41.6210, 33.3901

Triad

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



33.9414, 41.6210, 24.6571



35.1397, 41.6210, 78.2275



51.0191, 41.6210, 43.1835

Complementary

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



33.9414, 41.6210, 24.6571



27.1557, 23.3674, 46.7974

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.



49.8103, 41.6210, 59.7944



33.9414, 41.6210, 24.6571



40.3217, 41.6210, 82.5427

Square

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



33.9414, 41.6210, 24.6571



31.4672, 41.6210, 64.4287



45.7657, 41.6210, 75.1475



48.9324, 41.6210, 30.4181

Rectangle

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



33.9414, 41.6210, 24.6571



29.9821, 41.6210, 42.3007



45.7657, 41.6210, 75.1475



50.9859, 41.6210, 48.4759

Sweetspot

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



33.9425, 41.6228, 24.6580



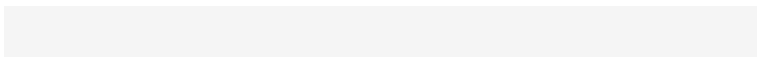
72.4381, 79.9146, 73.3272



32.7878, 31.6650, 22.7968



15.4837, 17.1932, 15.3935



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.9425, 41.6228, 24.6580



57.6850, 73.0957, 37.0973



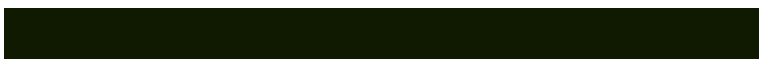
28.9251, 39.0363, 24.4232



8.8560, 9.7308, 9.0640



15.6816, 24.9942, 3.9979



0.5575, 0.8195, 0.1288

Inverse Universe

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



27.1557, 23.3674, 46.7974



43.6749, 35.3945, 82.8245



33.0032, 26.3819, 47.0711



8.3584, 8.3933, 10.6859



7.7517, 3.3319, 30.3716



0.3108, 0.1393, 0.9587

Previews

White Background



This preview shows how the XYZ color 33.9414, 41.6210, 24.6571 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 33.9414, 41.6210, 24.6571 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 33.9414, 41.6210, 24.6571

Background



This preview shows how black text looks on a background with the XYZ color 33.9414, 41.6210, 24.6571.



This preview shows how white text looks on a background with the XYZ color 33.9414, 41.6210,

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

33.9414, 41.6210, 24.6571

Protanopia

38.2722, 41.2522, 23.0848

Deuteranopia

42.0586, 41.2283, 25.1432



Tritanopia

39.6391, 41.5820, 52.9506

Trichromacy



Original Color

33.9414, 41.6210, 24.6571

Protanomaly

36.3389, 41.1058, 23.4717

Deuteranomaly

38.6945, 41.1459, 24.9713

Tritanomaly

37.2405, 41.4815, 40.6943

Monochromacy



Original Color

33.9414, 41.6210, 24.6571

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.4427, 39.5259, 35.0394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9414, 41.6210, 24.6571 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, 181, 122)` looks like.

```
.text, #text, p{  
    color:rgb(157, 181, 122)  
}
```

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, 181, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 181, 122) }
```

Border

The CSS property to change the border of an element to XYZ 33.9414, 41.6210, 24.6571 is called "border". The border property can be set on classes, ids or directly on the HTML element.

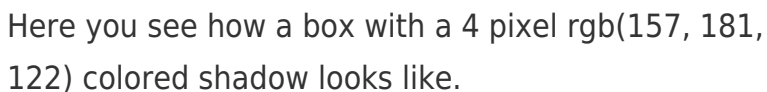
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 181, 122) }
```


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

```
.border{ border-color:rgb(157, 181, 122) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 181, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 181, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 181, 122); box-shadow:4px 4px 4px 4px rgb(157, 181, 122) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9414, 41.6210, 24.6571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 181, 122) }
```

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

```
.background{ background-color: rgb(157,  
181, 122) }
```

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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