

Converting Colors

XYZ(34.0242, 44.1105, 21.3531)

Have a look what the booklet for
XYZ(34.0242, 44.1105, 21.3531)
contains.

XYZ(34.1489, 44.2933, 21.5015)	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(34.1489, 44.2933,
21.5015)**

Conversions

Conversions Part 1

Format	Color
Hex	99BD6E
RGB	153, 189, 110
RGB Percent	60%, 74%, 43%
CMY	0.4000, 0.2588, 0.5686
CMYK	0.19, 0.00, 0.42, 0.26
HSL	87°, 37%, 59%
HSV	87°, 42%, 74%
XYZ	34.1489, 44.2933, 21.5015
YIQ	169.2300, 3.9030, -32.2010

Conversions

Conversions Part 2

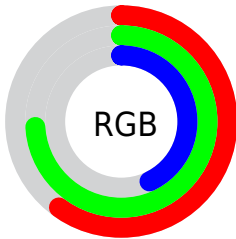
Format	Color
RYB	110, 189, 146
Decimal	10075502
CIELab	72.42, -25.68, 35.99
CIELCh	72, 44.215, 125.515
Yxy	44.2933, 0.3417, 0.4432
Android (android.graphics.Color)	4288265582 (0xFF99BD6E)
YUV	169.2300, -29.2004, -14.2337
Hunter-Lab	66.5532, -24.8786, 27.4323

Details

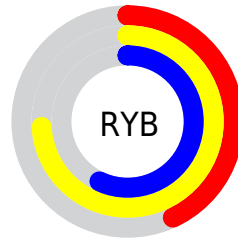
The XYZ color **34.1489, 44.2933, 21.5015** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **26.6173, 20.9383, 50.7853**, and the grayscale version is **37.9657, 39.9429, 43.4978**.

A 20% lighter version of the original color is **65.5578, 81.5045, 46.9270**, and **14.8753, 20.6439, 7.4756** is the 20% darker color. If you saturate the color by 10%, you get **31.6604, 43.1183, 16.5746**, and if you desaturate by 10%, it is **36.9765, 45.6205, 27.5918**.

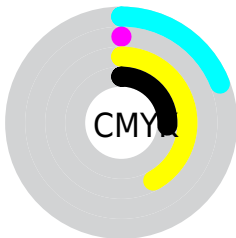
Distribution



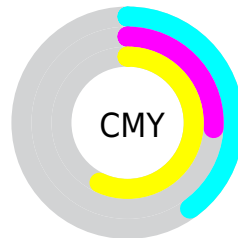
- Red (60%)
- Green (74%)
- Blue (43%)



- Red (43%)
- Yellow (74%)
- Blue (57%)



- Cyan (19%)
- Magenta (0%)
- Yellow (42%)
- Black (26%)



- Cyan (40%)
- Magenta (26%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1489, 44.2933, 21.5015 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 34.1489, 44.2933, 21.5015 by changing the saturation by 10% instead.

■ 34.1489, 44.2933,
21.5015

■ 34.1489, 44.2933,
21.5015

312.3697,
363.9038, 272.7999

■ 23.1714, 30.9012,
13.2963

■ 65.5079, 81.6589,
46.8123

■ 14.8415, 20.5236,
7.4998

■ 86.6202, 106.4012,
64.7549

■ 8.7938, 12.7762,
3.6934

■ 111.8414,
135.6956, 86.7804

■ 4.6630, 7.2746,
1.4587

■ 141.5370,
169.9265, 113.3073

■ 2.0836, 3.6344,
0.1869

176.0722,
209.4784, 144.7541

■ 0.6803, 1.4712,
0.0000

215.8125,

■ 0.0000, 0.2684,

254.7357, 181.5395

0.0000

261.1233,
306.0827, 224.0819

■ 0.0000, 0.0000,
0.0000

■ 34.1489, 44.2933,
21.5015

■ 34.1489, 44.2933,
21.5015

■ 31.6604, 43.1183,
16.5746

■ 36.9765, 45.6205,
27.5918

■ 29.4913, 42.0828,
12.7338

■ 40.1550, 47.1004,
34.9103

■ 27.6242, 41.1812,
9.8974


■ 43.6999, 48.7410,
43.5205


■ 26.0385, 40.4047,
7.9704


■ 47.6244, 50.5477,
53.4806


■ 24.7102, 39.7436,
6.8398

■ 51.9410, 52.5259,
64.8455

 23.7769, 39.2728,
6.3272

 56.6618, 54.6807,
77.6667

 61.7980, 57.0167,
91.9933

 66.3451, 59.1324,
102.5247

 69.0499, 60.5268,
102.6513

Harmonies

Analogous

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



40.7070, 44.2933, 17.3581



34.1489, 44.2933, 21.5015



30.1238, 44.2933, 32.8435

Triad

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



34.1489, 44.2933, 21.5015



36.3143, 44.2933, 97.3807



58.4319, 44.2933, 44.3067

Complementary

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



34.1489, 44.2933, 21.5015



26.6173, 20.9383, 50.7853

Split Complementary

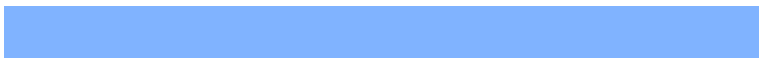
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.8906, 44.2933, 67.7930



34.1489, 44.2933, 21.5015



43.5233, 44.2933, 103.2116

Square

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



34.1489, 44.2933, 21.5015



31.2643, 44.2933, 76.9407



51.1971, 44.2933, 91.0796



55.1868, 44.2933, 27.7284

Rectangle

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



34.1489, 44.2933, 21.5015



29.1170, 44.2933, 45.0203



51.1971, 44.2933, 91.0796



58.4605, 44.2933, 51.5843

Sweetspot

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



34.1500, 44.2952, 21.5025



77.3275, 86.8588, 75.6247



34.0121, 32.3655, 19.2071



16.3190, 18.5354, 15.5012



90.7827, 95.5105, 104.0109



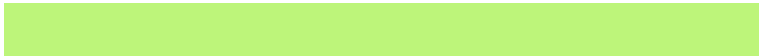
18.6292, 19.5994, 21.3438

Same Dimension

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



34.1500, 44.2952, 21.5025



57.1202, 77.4200, 30.4756



27.9464, 41.0972, 21.2121



9.8915, 10.8985, 10.1589



16.0860, 26.4685, 4.2611



0.7046, 1.0752, 0.1704

Inverse Universe

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



26.6173, 20.9383, 50.7853



41.8617, 30.0845, 89.8267



34.7827, 25.1477, 51.1674



9.4184, 9.4326, 11.9965



8.8566, 3.8518, 32.6696



0.4223, 0.1898, 1.2832

Previews

White Background



This preview shows how the XYZ color 34.1489, 44.2933, 21.5015 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 34.1489, 44.2933, 21.5015 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 34.1489, 44.2933, 21.5015

Background



This preview shows how black text looks on a background with the XYZ color 34.1489, 44.2933, 21.5015.



This preview shows how white text looks on a background with the XYZ color 34.1489, 44.2933,

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

34.1489, 44.2933, 21.5015

Protanopia

40.5718, 43.9542, 19.9813

Deuteranopia

44.7231, 43.7599, 22.3090



Tritanopia

41.2628, 44.0898, 56.7875

Trichromacy



Original Color

34.1489, 44.2933, 21.5015

Protanomaly

37.7681, 43.6930, 20.3529

Deuteranomaly

39.9918, 43.3193, 21.8764

Tritanomaly

38.2423, 44.0884, 41.1447

Monochromacy



Original Color

34.1489, 44.2933, 21.5015

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.9749, 40.9753, 34.0299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1489, 44.2933, 21.5015 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(153, 189, 110)` looks like.

```
.text, #text, p{  
    color:rgb(153, 189, 110)  
}
```

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(153, 189, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 189, 110) }
```

Border

The CSS property to change the border of an element to XYZ 34.1489, 44.2933, 21.5015 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(153, 189, 110) }
```


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

```
.border{ border-color:rgb(153, 189, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 189, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 189, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 189, 110);  
box-shadow:4px 4px 4px 4px rgb(153, 189,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1489, 44.2933, 21.5015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 189, 110) }
```

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

```
.background{ background-color: rgb(153,  
189, 110) }
```

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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