

Converting Colors

XYZ(33.5595, 42.6368, 21.5047)

Have a look what the booklet for
XYZ(33.5595, 42.6368, 21.5047)
contains.

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Color

**XYZ(33.5446, 42.7156,
21.5159)**

Conversions

Conversions Part 1

Format	Color
Hex	9AB96F
RGB	154, 185, 111
RGB Percent	60%, 73%, 44%
CMY	0.3961, 0.2745, 0.5647
CMYK	0.17, 0.00, 0.40, 0.27
HSL	85°, 35%, 58%
HSV	85°, 40%, 73%
XYZ	33.5446, 42.7156, 21.5159
YIQ	167.2950, 5.2780, -29.5860

Conversions

Conversions Part 2

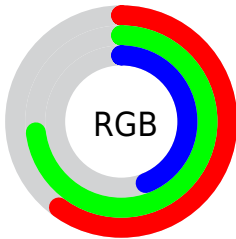
Format	Color
RYB	111, 185, 142
Decimal	10140015
CIELab	71.36, -23.21, 34.13
CIELCh	71, 41.277, 124.221
Yxy	42.7156, 0.3431, 0.4369
Android (android.graphics.Color)	4288330095 (0xFF9AB96F)
YUV	167.2950, -27.7534, -11.6597
Hunter-Lab	65.3572, -22.7598, 26.2315

Details

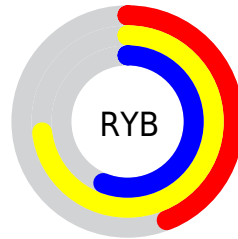
The XYZ color **33.5446, 42.7156, 21.5159** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **25.5985, 20.6237, 48.5329**, and the grayscale version is **37.0048, 38.9319, 42.3968**.

A 20% lighter version of the original color is **64.4506, 79.1462, 47.0018**, and **14.4876, 19.6170, 7.5803** is the 20% darker color. If you saturate the color by 10%, you get **31.2020, 41.6151, 16.6286**, and if you desaturate by 10%, it is **36.1956, 43.9534, 27.5206**.

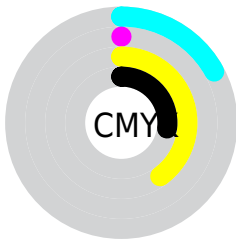
Distribution



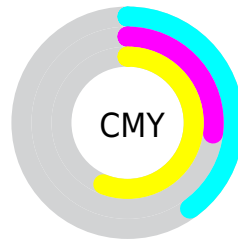
- Red (60%)
- Green (73%)
- Blue (44%)



- Red (44%)
- Yellow (73%)
- Blue (56%)



- Cyan (17%)
- Magenta (0%)
- Yellow (40%)
- Black (27%)



- Cyan (40%)
- Magenta (27%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5446, 42.7156, 21.5159 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 33.5446, 42.7156, 21.5159 by changing the saturation by 10% instead.

■ 33.5446, 42.7156,
21.5159

■ 33.5446, 42.7156,
21.5159

309.7184,
357.4409, 272.8782

■ 22.7052, 29.6620,
13.3067

■ 64.5739, 79.2815,
46.8365

■ 14.4955, 19.5822,
7.5069

■ 85.4944, 103.5627,
64.7849

■ 8.5501, 12.0917,
3.6979

■ 110.5061,
132.3551, 86.8169

■ 4.5036, 6.8062,
1.4611

■ 139.9742,
166.0433, 113.3509

■ 1.9908, 3.3412,
0.1887

174.2642,
205.0115, 144.8055

■ 0.6288, 1.3123,
0.0000

213.7413,

■ 0.0000, 0.1507,

249.6443, 181.5992

0.0000

258.7709,
300.3259, 224.1506

■ 0.0000, 0.0000,
0.0000

■ 33.5446, 42.7156,
21.5159

■ 33.5446, 42.7156,
21.5159

■ 31.2020, 41.6151,
16.6286

■ 36.1956, 43.9534,
27.5206

■ 29.1498, 40.6400,
12.7868

■ 39.1655, 45.3286,
34.7033

■ 27.3725, 39.7855,
9.9144


■ 42.4682, 46.8482,
43.1233


■ 25.8516, 39.0439,
7.9240


■ 46.1158, 48.5174,
52.8353


■ 24.5657, 38.4065,
6.7124

■ 50.1195, 50.3409,
63.8907

 23.4729, 37.8562,
6.0698

 54.4901, 52.3230,
76.3380

 59.2380, 54.4682,
90.2233

 63.7211, 56.5199,
102.1587

 66.0657, 57.7285,
102.2684

Harmonies

Analogous

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



39.6251, 42.7156, 17.8489



33.5446, 42.7156, 21.5159



29.7249, 42.7156, 31.7838

Triad

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



33.5446, 42.7156, 21.5159



35.0658, 42.7156, 90.1378



55.4237, 42.7156, 43.7519

Complementary

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



33.5446, 42.7156, 21.5159



25.5985, 20.6237, 48.5329

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.



53.8483, 42.7156, 65.2001



33.5446, 42.7156, 21.5159



41.5906, 42.7156, 96.0151

Square

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



33.5446, 42.7156, 21.5159



30.5304, 42.7156, 71.4988



48.5810, 42.7156, 85.8332



52.6707, 42.7156, 28.1497

Rectangle

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



33.5446, 42.7156, 21.5159



28.7124, 42.7156, 42.7652



48.5810, 42.7156, 85.8332



55.3848, 42.7156, 50.4673

Sweetspot

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



33.5457, 42.7175, 21.5168



74.7053, 83.2802, 73.7233



32.5266, 30.7599, 19.2625



15.9371, 17.8764, 15.4612



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.



33.5457, 42.7175, 21.5168



56.3616, 74.7560, 30.7418



27.5781, 39.6411, 21.2375



9.3767, 10.3108, 9.6029



16.0666, 25.8190, 4.1368



0.6353, 0.9457, 0.1491

Inverse Universe

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



25.5985, 20.6237, 48.5329



40.1723, 29.7176, 85.8234



32.9949, 24.4367, 48.8790



8.8681, 8.8984, 11.3296



8.1539, 3.5147, 31.5017



0.3584, 0.1605, 1.1138

Previews

White Background



This preview shows how the XYZ color 33.5446, 42.7156, 21.5159 looks on a white background.

Color Contrast Check

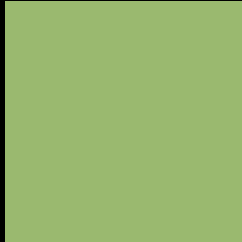
Large Text (above 18pt) WCAG AA × Fail

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 33.5446, 42.7156, 21.5159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

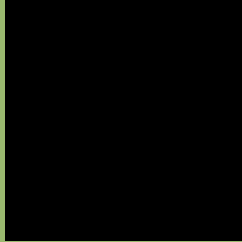
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5446, 42.7156, 21.5159

Background



This preview shows how black text looks on a background with the XYZ color 33.5446, 42.7156, 21.5159.



This preview shows how white text looks on a background with the XYZ color 33.5446, 42.7156,

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

33.5446, 42.7156, 21.5159

Protanopia

39.0251, 42.2808, 20.0141

Deuteranopia

43.2077, 42.4305, 22.1323



Tritanopia

40.3366, 42.7677, 54.8442

Trichromacy



Original Color

33.5446, 42.7156, 21.5159

Protanomaly

36.7586, 42.2706, 20.4090

Deuteranomaly

39.1596, 42.3058, 22.0215

Tritanomaly

37.2511, 42.3905, 39.9371

Monochromacy



Original Color

33.5446, 42.7156, 21.5159

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.3028, 40.0601, 33.4755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5446, 42.7156, 21.5159 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(154, 185, 111)` looks like.

```
.text, #text, p{  
    color:rgb(154, 185, 111)  
}
```

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(154, 185, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 185, 111) }
```

Border

The CSS property to change the border of an element to XYZ 33.5446, 42.7156, 21.5159 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(154, 185, 111) }
```


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

```
.border{ border-color:rgb(154, 185, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 185, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 185, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 185, 111);  
box-shadow:4px 4px 4px 4px rgb(154, 185,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5446, 42.7156, 21.5159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 185, 111) }
```

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

```
.background{ background-color: rgb(154,  
185, 111) }
```

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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