

Converting Colors

XYZ(42.3625, 54.9284, 21.4112)

Have a look what the booklet for
XYZ(42.3625, 54.9284, 21.4112)
contains.

XYZ(42.5101, 55.1099, 21.4935)	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(42.5101, 55.1099,
21.4935)**

Conversions

Conversions Part 1

Format	Color
Hex	AED068
RGB	174, 208, 104
RGB Percent	68%, 82%, 41%
CMY	0.3176, 0.1843, 0.5921
CMYK	0.16, 0.00, 0.50, 0.18
HSL	80°, 53%, 61%
HSV	80°, 50%, 82%
XYZ	42.5101, 55.1099, 21.4935
YIQ	185.9780, 13.1200, -39.5520

Conversions

Conversions Part 2

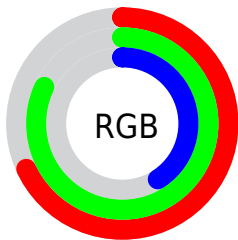
Format	Color
RYB	104, 208, 138
Decimal	11456616
CIELab	79.10, -27.56, 47.52
CIELCh	79, 54.935, 120.111
Yxy	55.1099, 0.3569, 0.4627
Android (android.graphics.Color)	4289646696 (0xFFAED068)
YUV	185.9780, -40.4152, -10.5047
Hunter-Lab	74.2360, -27.6979, 34.7990

Details

The XYZ color **42.5101, 55.1099, 21.4935** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.8190, 19.8595, 62.0975**, and the grayscale version is **46.8752, 49.3163, 53.7055**.

A 20% lighter version of the original color is **74.8008, 90.9432, 45.5097**, and **19.6188, 26.9523, 7.4171** is the 20% darker color. If you saturate the color by 10%, you get **40.1046, 53.9790, 16.5299**, and if you desaturate by 10%, it is **45.2556, 56.3895, 27.8353**.

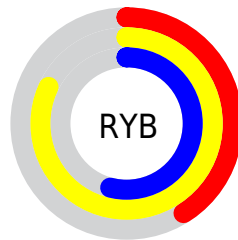
Distribution



Red (68%)

Green (82%)

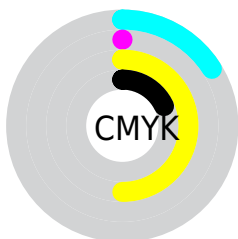
Blue (41%)



Red (41%)

Yellow (82%)

Blue (54%)

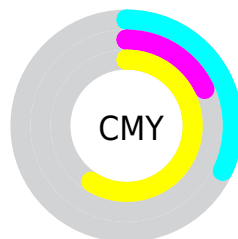


Cyan (16%)

Magenta (0%)

Yellow (50%)

Black (18%)



Cyan (32%)

Magenta (18%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5101, 55.1099, 21.4935 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 42.5101, 55.1099, 21.4935 by changing the saturation by 10% instead.

■ 42.5101, 55.1099,
21.4935

■ 42.5101, 55.1099,
21.4935

347.5489,
406.3284, 272.7563

■ 29.6938, 39.4897,
13.2905

■ 78.2314, 97.7020,
46.7988

■ 19.7532, 27.1409,
7.4958

■ 101.8671,
125.4426, 64.7382

■ 12.3230, 17.6791,
3.6909

■ 129.8399,
157.9922, 86.7601

■ 7.0378, 10.7198,
1.4574

■ 162.5152,
195.7352, 113.2830

■ 3.5323, 5.8788,
0.1859

200.2585,
239.0559, 144.7256

■ 1.4411, 2.7715,
0.0000

243.4349,

■ 0.2852, 1.0136,

288.3387, 181.5063

0.0000

292.4100,
343.9681, 224.0437

■ 0.0000, 0.0000,
0.0000

■ 42.5101, 55.1099,
21.4935

■ 42.5101, 55.1099,
21.4935

■ 40.1046, 53.9790,
16.5299

■ 45.2556, 56.3895,
27.8353

■ 38.0145, 52.9810,
12.8383

■ 48.3557, 57.8181,
35.6443

■ 36.2177, 52.1090,
10.3025


■ 51.8289, 59.4049,
45.0059


■ 34.6866, 51.3517,
8.7835


■ 55.6910, 61.1566,
55.9981


■ 33.3714, 50.6891,
8.0251


■ 59.9568, 63.0792,
68.6935

 33.3713, 50.6891,
8.0251

 64.6403, 65.1782,
83.1606

 69.7548, 67.4593,
99.4638

 72.7317, 68.8950,
104.0724

 74.9372, 70.0320,
104.1757

Harmonies

Analogous

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



52.3395, 55.1099, 17.6445



42.5101, 55.1099, 21.4935



36.1619, 55.1099, 34.6901

Triad

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



42.5101, 55.1099, 21.4935



42.5717, 55.1099, 128.9516



76.3867, 55.1099, 59.8884

Complementary

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



42.5101, 55.1099, 21.4935



26.8190, 19.8595, 62.0975

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.



72.8412, 55.1099, 95.3553



42.5101, 55.1099, 21.4935



52.4212, 55.1099, 142.7762

Square

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



42.5101, 55.1099, 21.4935



36.1939, 55.1099, 95.6315



63.6710, 55.1099, 128.7569



72.7903, 55.1099, 34.5496

Rectangle

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



42.5101, 55.1099, 21.4935



34.2531, 55.1099, 50.2324



63.6710, 55.1099, 128.7569



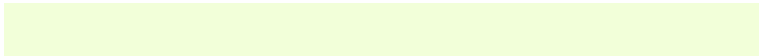
75.9851, 55.1099, 70.9701

Sweetspot

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



42.5114, 55.1123, 21.4947



85.0395, 95.4814, 79.4230



37.4494, 32.2836, 17.3551



17.9260, 20.3117, 16.2194



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.5114, 55.1123, 21.4947



63.3279, 85.4548, 25.7271



33.2343, 50.3298, 21.0605



12.4121, 13.5959, 12.5821



20.9031, 31.6449, 5.0064



1.2503, 1.8114, 0.2837

Inverse Universe

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



26.8190, 19.8595, 62.0975



35.7551, 23.4006, 97.2400



37.3073, 25.2664, 62.5883



11.5225, 11.6027, 14.8759



8.6730, 3.6514, 37.4402



0.5678, 0.2469, 2.0973

Previews

White Background



This preview shows how the XYZ color 42.5101, 55.1099, 21.4935 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 42.5101, 55.1099, 21.4935 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 42.5101, 55.1099, 21.4935

Background



This preview shows how black text looks on a background with the XYZ color 42.5101, 55.1099, 21.4935.



This preview shows how white text looks on a background with the XYZ color 42.5101, 55.1099,

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

42.5101, 55.1099, 21.4935

Protanopia

50.3591, 54.9989, 20.0182

Deuteranopia

55.5791, 54.3991, 22.0387



Tritanopia

52.3626, 54.9247, 70.1291

Trichromacy



Original Color

42.5101, 55.1099, 21.4935

Protanomaly

47.0906, 54.6656, 20.3815

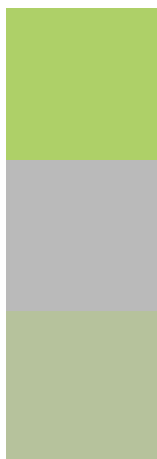
Deuteranomaly

49.9700, 54.0922, 21.7171

Tritanomaly

47.7255, 54.3930, 47.5187

Monochromacy



Original Color

42.5101, 55.1099, 21.4935

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

44.5839, 50.9290, 38.9329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5101, 55.1099, 21.4935 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(174, 208, 104)` looks like.

```
.text, #text, p{  
    color:rgb(174, 208, 104)  
}
```

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(174, 208, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 208, 104) }
```

Border

The CSS property to change the border of an element to XYZ 42.5101, 55.1099, 21.4935 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(174, 208, 104) }
```


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

```
.border{ border-color:rgb(174, 208, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 208, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 208, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 208, 104);  
box-shadow:4px 4px 4px 4px rgb(174, 208,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5101, 55.1099, 21.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 208, 104) }
```

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

```
.background{ background-color: rgb(174,  
208, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor