

Converting Colors

XYZ(41.5152, 49.8835, 42.3743)

Have a look what the booklet for
XYZ(41.5152, 49.8835, 42.3743)
contains.

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Color

**XYZ(41.5450, 49.9467,
42.5730)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C4A4
RGB	163, 196, 164
RGB Percent	64%, 77%, 64%
CMY	0.3608, 0.2314, 0.3569
CMYK	0.17, 0.00, 0.16, 0.23
HSL	122°, 22%, 70%
HSV	122°, 17%, 77%
XYZ	41.5450, 49.9467, 42.5730
YIQ	182.4850, -9.3960, -16.9480

Conversions

Conversions Part 2

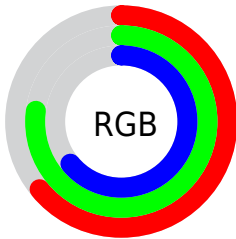
Format	Color
RYB	163, 195, 196
Decimal	10732708
CIELab	76.04, -17.25, 12.44
CIELCh	76, 21.267, 144.213
Yxy	49.9467, 0.3099, 0.3726
Android (android.graphics.Color)	4288922788 (0xFFA3C4A4)
YUV	182.4850, -9.1131, -17.0883
Hunter-Lab	70.6730, -18.7468, 13.7551

Details

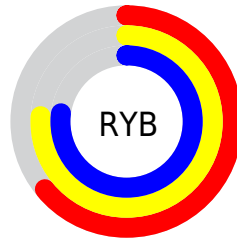
The XYZ color **41.5450, 49.9467, 42.5730** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.7142, 41.8714, 57.3045**, and the grayscale version is **44.7809, 47.1130, 51.3060**.

A 20% lighter version of the original color is **76.8249, 90.2705, 80.3927**, and **19.1532, 23.8954, 18.9320** is the 20% darker color. If you saturate the color by 10%, you get **36.2486, 47.4014, 34.0251**, and if you desaturate by 10%, it is **47.7227, 52.9195, 52.5032**.

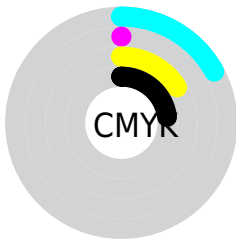
Distribution



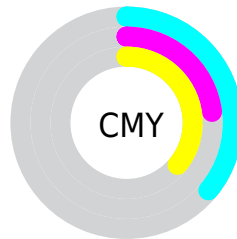
- Red (64%)
- Green (77%)
- Blue (64%)



- Red (64%)
- Yellow (76%)
- Blue (77%)



- Cyan (17%)
- Magenta (0%)
- Yellow (16%)
- Black (23%)




- Cyan (36%)
- Magenta (23%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5450, 49.9467, 42.5730 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 41.5450, 49.9467, 42.5730 by changing the saturation by 10% instead.

 41.5450, 49.9467,
42.5730


 41.5450, 49.9467,
42.5730


343.6171,
386.4575, 372.7223

 28.9347, 35.3710,
29.2213


 76.7800, 90.0959,
80.3455

 19.1755, 23.9488,
19.0013


 100.1355,
116.4382, 105.6035

 11.9019, 15.2957,
11.4944

127.8034,
147.4716, 135.6672

 6.7486, 9.0272,
6.2821

160.1491,
183.5804, 170.9553

 3.3503, 4.7589,
2.9458

197.5380,
225.1489, 211.8864

 1.3416, 2.1065,
1.0670

240.3354,

 0.2140, 0.6683,

272.5617, 258.8788

0.0000

288.9066,
326.2031, 312.3513

■ 0.0000, 0.0000,
0.0000

■ 41.5450, 49.9467,
42.5730

■ 41.5450, 49.9467,
42.5730

■ 36.2486, 47.4014,
34.0251

■ 47.7227, 52.9195,
52.5032

■ 31.7894, 45.2581,
26.7953

■ 54.8150, 56.3315,
63.8698

■ 28.1260, 43.4980,
20.8188

■ 62.8584, 60.2017,
76.7278

■ 25.2114, 42.0986,
16.0246

■ 71.8862, 64.5464,
91.1284

■ 22.9941, 41.0349,
12.3341

■ 79.0309, 67.9618,
103.5603

■ 21.4157, 40.2787,
9.6595

■ 20.4085, 39.7975,
7.8995

■ 19.8845, 39.5482,
6.9318

■ 19.7735, 39.4948,
6.7517

Harmonies

Analogous

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



44.4100, 49.9467, 36.7798



41.5450, 49.9467, 42.5730



40.2749, 49.9467, 52.2083

Triad

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



41.5450, 49.9467, 42.5730



46.7071, 49.9467, 79.1669



54.7819, 49.9467, 45.8998

Complementary

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



41.5450, 49.9467, 42.5730



45.7142, 41.8714, 57.3045

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.



55.4810, 49.9467, 56.6182



41.5450, 49.9467, 42.5730



50.6734, 49.9467, 76.8621

Square

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



41.5450, 49.9467, 42.5730



43.1467, 49.9467, 74.1187



53.9393, 49.9467, 68.1981



52.0789, 49.9467, 38.5049

Rectangle

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



41.5450, 49.9467, 42.5730



40.4497, 49.9467, 59.9305



53.9393, 49.9467, 68.1981



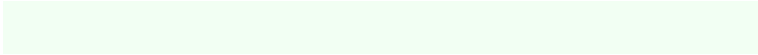
55.2652, 49.9467, 49.1897

Sweetspot

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



41.5463, 49.9488, 42.5741



88.5866, 96.8906, 98.5393



48.9751, 53.7889, 42.4518



18.7742, 20.6486, 20.7915



0.0000, 0.0000, 0.0000



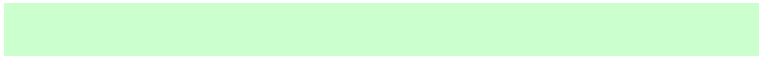
20.3446, 21.4041, 23.3091

Same Dimension

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



41.5463, 49.9488, 42.5741



71.7474, 88.7916, 71.4609



43.0890, 50.5659, 50.6973



9.9565, 11.2637, 10.7745



12.7105, 25.3783, 4.3685



0.5535, 1.0983, 0.2117

Inverse Universe

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



45.7142, 41.8714, 57.3045



80.6349, 71.5665, 102.8717



43.9953, 41.1838, 48.2532



10.4837, 10.2421, 12.6376



20.6096, 9.9336, 32.1857



0.8947, 0.4309, 1.4129

Previews

White Background



This preview shows how the XYZ color 41.5450, 49.9467, 42.5730 looks on a white background.

Color Contrast Check

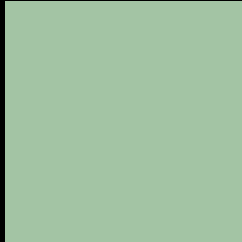
Large Text (above 18pt) WCAG AA × Fail

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 41.5450, 49.9467, 42.5730 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

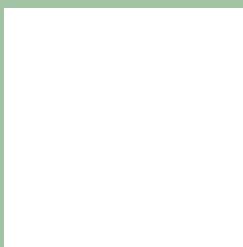
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5450, 49.9467, 42.5730

Background



This preview shows how black text looks on a background with the XYZ color 41.5450, 49.9467, 42.5730.



This preview shows how white text looks on a background with the XYZ color 41.5450, 49.9467,

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

41.5450, 49.9467, 42.5730

Protanopia

47.0543, 49.9142, 39.9553

Deuteranopia

50.4477, 49.4296, 43.4412



Tritanopia

46.0105, 49.7807, 64.9412

Trichromacy



Original Color

41.5450, 49.9467, 42.5730

Protanomaly

44.8541, 49.7144, 40.9500

Deuteranomaly

46.6900, 49.3403, 43.1392

Tritanomaly

44.0803, 49.6325, 55.9719

Monochromacy



Original Color

41.5450, 49.9467, 42.5730

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.1874, 47.7498, 47.4978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5450, 49.9467, 42.5730 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(163, 196, 164)` looks like.

```
.text, #text, p{  
    color:rgb(163, 196, 164)  
}
```

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(163, 196, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 196, 164) }
```

Border

The CSS property to change the border of an element to XYZ 41.5450, 49.9467, 42.5730 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(163, 196, 164) }
```


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

```
.border{ border-color:rgb(163, 196, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 196, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 196, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 196, 164);  
box-shadow:4px 4px 4px 4px rgb(163, 196,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5450, 49.9467, 42.5730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 196, 164) }
```

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

```
.background{ background-color: rgb(163,  
196, 164) }
```

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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