

Converting Colors

XYZ(41.0613, 48.9121, 41.8048)

Have a look what the booklet for
XYZ(41.0613, 48.9121, 41.8048)
contains.

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Color

**XYZ(41.2125, 49.1204,
41.9594)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C2A3
RGB	164, 194, 163
RGB Percent	64%, 76%, 64%
CMY	0.3569, 0.2392, 0.3608
CMYK	0.15, 0.00, 0.16, 0.24
HSL	118°, 20%, 70%
HSV	118°, 16%, 76%
XYZ	41.2125, 49.1204, 41.9594
YIQ	181.4960, -7.9290, -16.0010

Conversions

Conversions Part 2

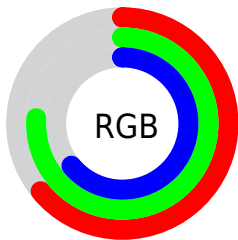
Format	Color
RYB	163, 194, 193
Decimal	10797731
CIELab	75.53, -16.07, 12.26
CIELCh	76, 20.211, 142.648
Yxy	49.1204, 0.3115, 0.3713
Android (android.graphics.Color)	4288987811 (0xFFA4C2A3)
YUV	181.4960, -9.1185, -15.3440
Hunter-Lab	70.0859, -17.6874, 13.5641

Details

The XYZ color **41.2125, 49.1204, 41.9594** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.8290, 41.4282, 56.6751**, and the grayscale version is **44.2416, 46.5456, 50.6882**.

A 20% lighter version of the original color is **76.3655, 89.1164, 79.5060**, and **18.9294, 23.3486, 18.5480** is the 20% darker color. If you saturate the color by 10%, you get **36.0133, 46.6272, 33.3279**, and if you desaturate by 10%, it is **47.2531, 52.0193, 52.0244**.

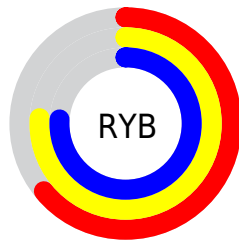
Distribution



Red (64%)

Green (76%)

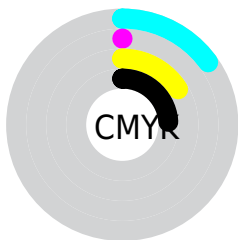
Blue (64%)



Red (64%)

Yellow (76%)

Blue (76%)

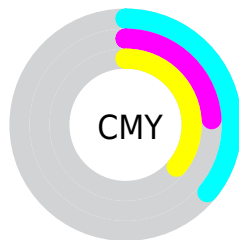


Cyan (15%)

Magenta (0%)

Yellow (16%)

Black (24%)



Cyan (36%)


Magenta (24%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2125, 49.1204, 41.9594 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 41.2125, 49.1204, 41.9594 by changing the saturation by 10% instead.


 41.2125, 49.1204,
41.9594


 41.2125, 49.1204,
41.9594


342.2554,
383.2161, 370.1093

 28.6736, 34.7150,
28.7442


 76.2790, 88.8702,
79.4076

 18.9771, 23.4434,
18.6435


 99.5374, 114.9835,
104.4777

 11.7576, 14.9213,
11.2387


127.0995,
145.7681, 134.3364

 6.6499, 8.7641,
6.1115

159.3309,
181.6085, 169.4024

 3.2885, 4.5877,
2.8431

196.5968,
222.8892, 210.0941

 1.3081, 2.0074,
1.0151

239.2626,

 0.1893, 0.6118,

269.9944, 256.8301

0.0000

287.6937,
323.3086, 310.0290

■ 0.0000, 0.0000,
0.0000

■ 41.2125, 49.1204,
41.9594

■ 41.2125, 49.1204,
41.9594

■ 36.0133, 46.6272,
33.3279

■ 47.2531, 52.0193,
52.0244

■ 31.6144, 44.5158,
26.0616

■ 54.1658, 55.3344,
63.5803

■ 27.9774, 42.7692,
20.0916

■ 61.9849, 59.0833,
76.6857

■ 25.0588, 41.3667,
15.3417

■ 70.7413, 63.2809,
91.3947

■ 22.8110, 40.2856,
11.7278

■ 78.5827, 67.0654,
103.4109

■ 21.1808, 39.5004,
9.1551

■ 20.1066, 38.9819,
7.5135

■ 19.5135, 38.6943,
6.6642

■ 19.3710, 38.6258,
6.4346

Harmonies

Analogous

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



43.9785, 49.1204, 36.6715



41.2125, 49.1204, 41.9594



39.9263, 49.1204, 50.8970

Triad

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



41.2125, 49.1204, 41.9594



45.7753, 49.1204, 76.5640



53.6278, 49.1204, 45.9542

Complementary

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



41.2125, 49.1204, 41.9594



44.8290, 41.4282, 56.6751

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.



54.1719, 49.1204, 56.1567



41.2125, 49.1204, 41.9594



49.5055, 49.1204, 74.7797

Square

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



41.2125, 49.1204, 41.9594



42.4679, 49.1204, 71.5396



52.6270, 49.1204, 66.9458



51.1777, 49.1204, 38.7544

Rectangle

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



41.2125, 49.1204, 41.9594



40.0301, 49.1204, 58.1110



52.6270, 49.1204, 66.9458



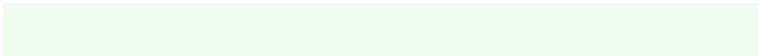
54.0448, 49.1204, 49.1089

Sweetspot

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



41.2138, 49.1225, 41.9605



86.6693, 94.7511, 96.0246



47.9237, 52.2413, 42.2088



18.7943, 20.6606, 20.7189



0.0000, 0.0000, 0.0000



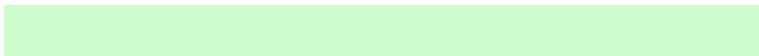
20.3446, 21.4041, 23.3091

Same Dimension

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



41.2138, 49.1225, 41.9605



71.3714, 87.4130, 70.5426



42.3800, 49.5652, 49.1741



9.9738, 11.2740, 10.7123



12.7486, 25.4010, 4.2310



0.5614, 1.1030, 0.1833

Inverse Universe

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



44.8290, 41.4282, 56.6751



79.0992, 70.9646, 101.9983



43.5377, 40.9413, 48.5405



10.4642, 10.2304, 12.7080



20.0102, 9.5760, 34.3503



0.8748, 0.4190, 1.4847

Previews

White Background



This preview shows how the XYZ color 41.2125, 49.1204, 41.9594 looks on a white background.

Color Contrast Check

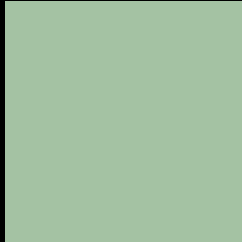
Large Text (above 18pt) WCAG AA × Fail

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 41.2125, 49.1204, 41.9594 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

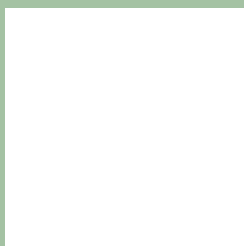
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2125, 49.1204, 41.9594

Background



This preview shows how black text looks on a background with the XYZ color 41.2125, 49.1204, 41.9594.



This preview shows how white text looks on a background with the XYZ color 41.2125, 49.1204,

41.9594.

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

41.2125, 49.1204, 41.9594

Protanopia

46.1126, 48.8032, 39.7905

Deuteranopia

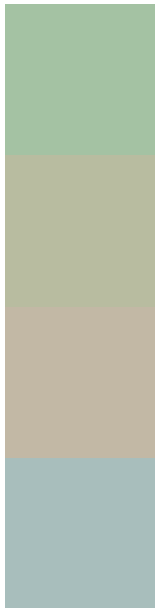
49.8670, 48.8423, 42.8756



Tritanopia

45.5573, 48.9362, 63.5444

Trichromacy



Original Color

41.2125, 49.1204, 41.9594

Protanomaly

44.0955, 48.6949, 40.3327

Deuteranomaly

46.1802, 48.4669, 42.5184

Tritanomaly

43.6390, 48.7826, 54.6929

Monochromacy



Original Color

41.2125, 49.1204, 41.9594

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.8781, 47.2878, 46.9119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2125, 49.1204, 41.9594 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(164, 194, 163)` looks like.

```
.text, #text, p{  
    color:rgb(164, 194, 163)  
}
```

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(164, 194, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 194, 163) }
```

Border

The CSS property to change the border of an element to XYZ 41.2125, 49.1204, 41.9594 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(164, 194, 163) }
```


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

```
.border{ border-color:rgb(164, 194, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 194, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 194, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 194, 163);  
box-shadow:4px 4px 4px 4px rgb(164, 194,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2125, 49.1204, 41.9594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 194, 163) }
```

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

```
.background{ background-color: rgb(164,  
194, 163) }
```

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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