

Converting Colors

XYZ(49.8530, 63.9637, 44.3692)

Have a look what the booklet for
XYZ(49.8530, 63.9637, 44.3692)
contains.

XYZ(50.0118, 64.1904, 44.4044)	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(50.0118, 64.1904,
44.4044)**

Conversions

Conversions Part 1

Format	Color
Hex	ACDFA3
RGB	172, 223, 163
RGB Percent	67%, 87%, 64%
CMY	0.3255, 0.1255, 0.3608
CMYK	0.23, 0.00, 0.27, 0.13
HSL	111°, 48%, 76%
HSV	111°, 27%, 87%
XYZ	50.0118, 64.1904, 44.4044
YIQ	200.9110, -11.1360, -29.4720

Conversions

Conversions Part 2

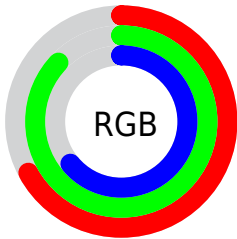
Format	Color
RYB	163, 223, 214
Decimal	11329443
CIELab	84.06, -27.65, 24.21
CIELCh	84, 36.755, 138.799
Yxy	64.1904, 0.3153, 0.4047
Android (android.graphics.Color)	4289519523 (0xFFACDFA3)
YUV	200.9110, -18.6901, -25.3549
Hunter-Lab	80.1189, -28.7849, 23.2229

Details

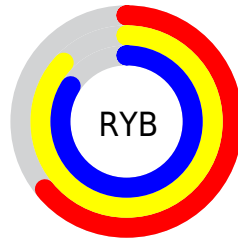
The XYZ color **50.0118, 64.1904, 44.4044** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.1508, 45.8201, 75.8056**, and the grayscale version is **55.5807, 58.4753, 63.6796**.

A 20% lighter version of the original color is **80.4098, 93.0759, 80.0571**, and **24.3431, 33.0045, 20.1264** is the 20% darker color. If you saturate the color by 10%, you get **44.3199, 61.4689, 34.6118**, and if you desaturate by 10%, it is **56.6529, 67.3643, 56.0832**.

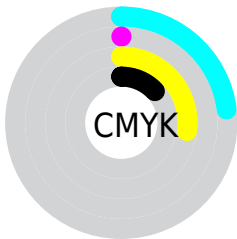
Distribution



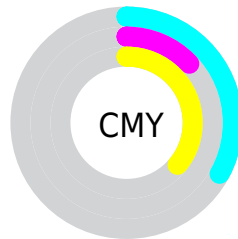
- Red (67%)
- Green (87%)
- Blue (64%)



- Red (64%)
- Yellow (87%)
- Blue (84%)



- Cyan (23%)
- Magenta (0%)
- Yellow (27%)
- Black (13%)





- Cyan (33%)
- Magenta (13%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0118, 64.1904, 44.4044 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 50.0118, 64.1904, 44.4044 by changing the saturation by 10% instead.


 50.0118, 64.1904,
44.4044


 50.0118, 64.1904,
44.4044


377.1633,
439.8769, 380.4455

 35.6406, 46.8049,
30.6490


 89.3841, 110.8851,
83.1349

 24.3256, 32.8815,
20.0755


 115.1159,
140.9631, 108.9471

 15.7014, 22.0356,
12.2653


145.3653,
176.0407, 139.6153

 9.4026, 13.8831,
6.7999

180.4976,
216.5023, 175.5580

 5.0639, 8.0394,
3.2607

220.8782,
262.7324, 217.1939

 2.3199, 4.1202,
1.2293

266.8724,

 0.8048, 1.7410,

315.1152, 264.9414

0.0027

318.8457,
374.0352, 319.2191

0.0000, 0.4500,
0.0000

0.0000, 0.0000,
0.0000

50.0118, 64.1904,
44.4044

50.0118, 64.1904,
44.4044

44.3199, 61.4689,
34.6118

56.6529, 67.3643,
56.0832

39.5286, 59.1712,
26.6026

64.2789, 71.0014,
69.7355

35.5927, 57.2782,
20.2705

72.9296, 75.1222,
85.4481

32.4608, 55.7661,
15.4964

82.6414, 79.7437,
103.3014

■ 30.0760, 54.6084,
12.1453

■ 85.6790, 81.2580,
105.7763

■ 28.3736, 53.7752,
10.0596

■ 27.2752, 53.2305,
9.0351

■ 27.0305, 53.1087,
8.8264

Harmonies

Analogous

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



56.1215, 64.1904, 35.5605



50.0118, 64.1904, 44.4044



46.9541, 64.1904, 61.5696

Triad

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



50.0118, 64.1904, 44.4044



58.0312, 64.1904, 123.5068



76.9996, 64.1904, 56.4630

Complementary

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



50.0118, 64.1904, 44.4044



54.1508, 45.8201, 75.8056

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.



77.6260, 64.1904, 78.9334



50.0118, 64.1904, 44.4044



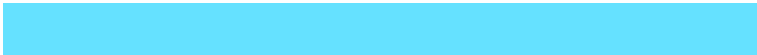
66.1767, 64.1904, 121.2808

Square

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



50.0118, 64.1904, 44.4044



51.3030, 64.1904, 109.1777



73.5152, 64.1904, 103.6386



71.8725, 64.1904, 41.3821

Rectangle

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



50.0118, 64.1904, 44.4044



46.8588, 64.1904, 76.9509



73.5152, 64.1904, 103.6386



77.7594, 64.1904, 63.2793

Sweetspot

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



50.0135, 64.1931, 44.4058



85.8433, 95.6133, 92.2254



61.0917, 66.4286, 44.2534



18.0251, 20.2988, 19.1124



0.0000, 0.0000, 0.0000



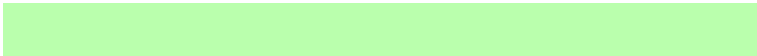
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0135, 64.1931, 44.4058



63.5034, 84.9464, 52.7877



50.1457, 64.0255, 55.0643



13.7192, 15.4354, 14.5630



15.9515, 31.2558, 5.1922



1.1664, 2.1978, 0.3627

Inverse Universe

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



54.1508, 45.8201, 75.8056



69.9505, 56.2732, 101.7828



54.1916, 46.1483, 61.9308



14.0825, 13.8261, 17.3142



20.3288, 9.5752, 41.8251



1.4646, 0.6923, 2.9017

Previews

White Background



This preview shows how the XYZ color 50.0118, 64.1904, 44.4044 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 50.0118, 64.1904, 44.4044 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

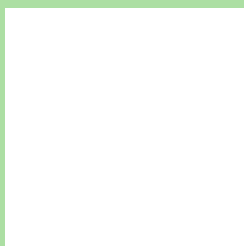
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0118, 64.1904, 44.4044

Background



This preview shows how black text looks on a background with the XYZ color 50.0118, 64.1904, 44.4044.



This preview shows how white text looks on a background with the XYZ color 50.0118, 64.1904,

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**

50.0118, 64.1904, 44.4044

Protanopia

59.6267, 63.8825, 41.0862

Deuteranopia

64.9167, 63.6551, 45.9110



Tritanopia

57.9988, 63.9299, 84.8842

Trichromacy



Original Color

50.0118, 64.1904, 44.4044

Protanomaly

55.4814, 63.5755, 42.1480

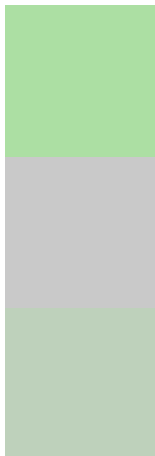
Deuteranomaly

58.2987, 63.1058, 45.1844

Tritanomaly

54.5438, 63.6656, 67.8065

Monochromacy



Original Color

50.0118, 64.1904, 44.4044

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.0053, 60.1359, 55.8274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0118, 64.1904, 44.4044 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(172, 223, 163)` looks like.

```
.text, #text, p{  
    color:rgb(172, 223, 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(172, 223, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 223, 163) }
```

Border

The CSS property to change the border of an element to XYZ 50.0118, 64.1904, 44.4044 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(172, 223, 163) }
```


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

```
.border{ border-color:rgb(172, 223, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 223, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 223, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 223, 163); box-shadow:4px 4px 4px 4px rgb(172, 223, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0118, 64.1904, 44.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 223, 163) }
```

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

```
.background{ background-color: rgb(172,  
223, 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](#).

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