

Converting Colors

XYZ(47.5934, 59.9987, 47.9592)

Have a look what the booklet for
XYZ(47.5934, 59.9987, 47.9592)
contains.

XYZ(47.7281, 60.1973, 48.1334)	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(47.7281, 60.1973,
48.1334)**

Conversions

Conversions Part 1

Format	Color
Hex	A6D8AC
RGB	166, 216, 172
RGB Percent	65%, 85%, 67%
CMY	0.3490, 0.1529, 0.3255
CMYK	0.23, 0.00, 0.20, 0.15
HSL	127°, 39%, 75%
HSV	127°, 23%, 85%
XYZ	47.7281, 60.1973, 48.1334
YIQ	196.0340, -15.6760, -24.2840

Conversions

Conversions Part 2

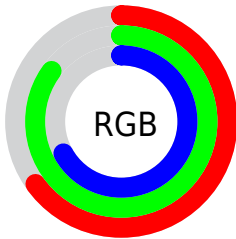
Format	Color
RYB	166, 211, 216
Decimal	10934444
CIELab	81.95, -24.76, 16.52
CIELCh	82, 29.762, 146.295
Yxy	60.1973, 0.3058, 0.3857
Android (android.graphics.Color)	4289124524 (0xFFA6D8AC)
YUV	196.0340, -11.8488, -26.3398
Hunter-Lab	77.5869, -25.9717, 17.5285

Details

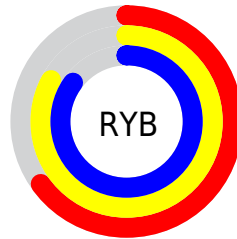
The XYZ color **47.7281, 60.1973, 48.1334** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.5900, 46.5258, 67.1311**, and the grayscale version is **52.5666, 55.3042, 60.2262**.

A 20% lighter version of the original color is **79.7493, 92.5956, 86.3426**, and **22.9451, 30.3565, 22.4194** is the 20% darker color. If you saturate the color by 10%, you get **41.8780, 57.3792, 39.0023**, and if you desaturate by 10%, it is **54.6031, 63.5170, 58.6781**.

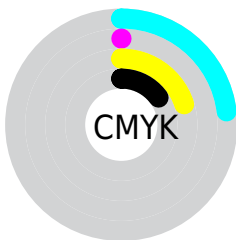
Distribution



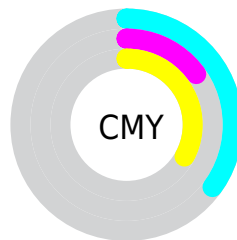
- Red (65%)
- Green (85%)
- Blue (67%)



- Red (65%)
- Yellow (83%)
- Blue (85%)



- Cyan (23%)
- Magenta (0%)
- Yellow (20%)
- Black (15%)





- Cyan (35%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7281, 60.1973, 48.1334 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 47.7281, 60.1973, 48.1334 by changing the saturation by 10% instead.


 47.7281, 60.1973,
48.1334


 47.7281, 60.1973,
48.1334

368.3139,
425.3246, 395.8446

 33.8220, 43.5777,
33.5718


 86.0116, 105.1158,
88.7706

 22.9191, 30.3386,
22.2901


 111.1196,
134.1835, 115.6833

 14.6542, 20.0958,
13.8699


140.6924,
168.1694, 147.5501

 8.6618, 12.4647,
7.8925

175.0952,
207.4578, 184.7895

 4.5766, 7.0610,
3.9395

214.6934,
252.4331, 227.8202

 2.0332, 3.5003,
1.5922

259.8523,

 0.6525, 1.3981,

303.4797, 277.0605

0.2852

310.9374,
360.9821, 332.9292

■ 0.0000, 0.2154,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.7281, 60.1973,
48.1334

■ 47.7281, 60.1973,
48.1334

■ 41.8780, 57.3792,
39.0023

■ 54.6031, 63.5170,
58.6781

■ 36.9989, 55.0312,
31.2209

■ 62.5438, 67.3530,
70.6887

■ 33.0395, 53.1296,
24.7264

■ 71.5949, 71.7288,
84.2197

■ 29.9415, 51.6462,
19.4494

■ 81.7967, 76.6643,
99.3217

■ 27.6401, 50.5489,
15.3140

■ 83.8471, 77.5941,
105.1657

■ 26.0611, 49.8014,
12.2357

■ 25.1161, 49.3601,
10.1183

■ 24.7426, 49.1884,
9.1630

Harmonies

Analogous

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



52.0210, 60.1973, 39.1261



47.7281, 60.1973, 48.1334



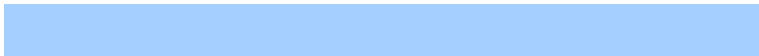
45.9701, 60.1973, 63.3306

Triad

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



47.7281, 60.1973, 48.1334



56.4373, 60.1973, 106.5657



68.7642, 60.1973, 51.3602

Complementary

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



47.7281, 60.1973, 48.1334



53.5900, 46.5258, 67.1311

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.



70.1603, 60.1973, 67.8097



47.7281, 60.1973, 48.1334



62.7453, 60.1973, 101.7812

Square

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



47.7281, 60.1973, 48.1334



50.7602, 60.1973, 98.8076



67.8841, 60.1973, 86.7173



64.1966, 60.1973, 40.7354

Rectangle

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



47.7281, 60.1973, 48.1334



46.3695, 60.1973, 75.7569



67.8841, 60.1973, 86.7173



69.6338, 60.1973, 56.2940

Sweetspot

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



47.7297, 60.1998, 48.1347



86.3584, 95.7996, 95.8274



58.0671, 65.5941, 45.6773



18.3319, 20.4314, 20.2808



0.0000, 0.0000, 0.0000



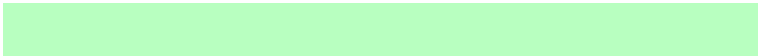
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7297, 60.1998, 48.1347



64.9646, 85.4743, 63.0413



50.3425, 61.2449, 61.8933



12.3224, 13.9200, 13.5124



14.6654, 29.1215, 5.5336



0.9052, 1.7647, 0.4423

Inverse Universe

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



53.5900, 46.5258, 67.1311



74.9984, 62.0554, 95.5614



50.7315, 45.3823, 52.0784



12.8859, 12.6058, 15.3392



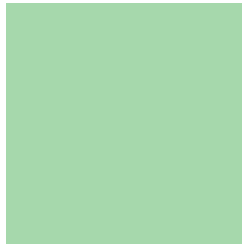
22.2949, 10.8543, 29.9207



1.3632, 0.6621, 1.9022

Previews

White Background



This preview shows how the XYZ color 47.7281, 60.1973, 48.1334 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 47.7281, 60.1973, 48.1334 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 47.7281, 60.1973, 48.1334

Background



This preview shows how black text looks on a background with the XYZ color 47.7281, 60.1973, 48.1334.



This preview shows how white text looks on a background with the XYZ color 47.7281, 60.1973,

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

47.7281, 60.1973, 48.1334

Protanopia

56.2632, 59.9121, 44.6752

Deuteranopia

60.8551, 59.7702, 49.4037



Tritanopia

54.2956, 60.2673, 80.0052

Trichromacy



Original Color

47.7281, 60.1973, 48.1334

Protanomaly

52.6497, 59.8092, 45.8152

Deuteranomaly

55.1062, 59.2169, 49.0830

Tritanomaly

51.6973, 60.3139, 67.3095

Monochromacy



Original Color

47.7281, 60.1973, 48.1334

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.3332, 56.6140, 55.2885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7281, 60.1973, 48.1334 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(166, 216, 172)` looks like.

```
.text, #text, p{  
    color:rgb(166, 216, 172)  
}
```

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(166, 216, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 216, 172) }
```

Border

The CSS property to change the border of an element to XYZ 47.7281, 60.1973, 48.1334 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(166, 216, 172) }
```


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

```
.border{ border-color:rgb(166, 216, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 216, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 216, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 216, 172);  
box-shadow:4px 4px 4px 4px rgb(166, 216,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7281, 60.1973, 48.1334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 216, 172) }
```

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

```
.background{ background-color: rgb(166,  
216, 172) }
```

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