

Converting Colors

XYZ(47.7062, 60.9383, 40.2588)

Have a look what the booklet for
XYZ(47.7062, 60.9383, 40.2588)
contains.

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Color

**XYZ(47.7824, 61.1673,
40.2984)**

Conversions

Conversions Part 1

Format	Color
Hex	ABDA9B
RGB	171, 218, 155
RGB Percent	67%, 85%, 61%
CMY	0.3294, 0.1451, 0.3921
CMYK	0.22, 0.00, 0.29, 0.15
HSL	105°, 46%, 73%
HSV	105°, 29%, 85%
XYZ	47.7824, 61.1673, 40.2984
YIQ	196.7650, -7.7890, -29.5570

Conversions

Conversions Part 2

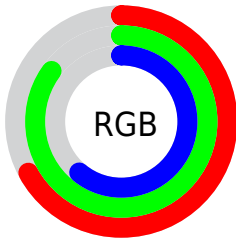
Format	Color
RYB	155, 218, 202
Decimal	11262619
CIELab	82.47, -26.86, 26.18
CIELCh	82, 37.510, 135.740
Yxy	61.1673, 0.3202, 0.4098
Android (android.graphics.Color)	4289452699 (0xFFABDA9B)
YUV	196.7650, -20.5901, -22.5959
Hunter-Lab	78.2095, -27.8114, 24.1968

Details

The XYZ color **47.7824, 61.1673, 40.2984** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.7359, 41.0630, 71.6902**, and the grayscale version is **53.0541, 55.8171, 60.7848**.

A 20% lighter version of the original color is **79.0714, 92.5040, 74.6603**, and **23.0166, 31.0252, 17.6073** is the 20% darker color. If you saturate the color by 10%, you get **42.7872, 58.7868, 31.3552**, and if you desaturate by 10%, it is **53.5473, 63.9100, 51.0055**.

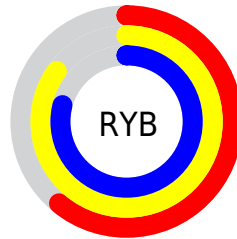
Distribution



Red (67%)

Green (85%)

Blue (61%)



Red (61%)

Yellow (85%)

Blue (79%)

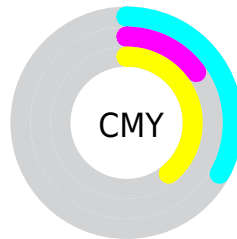


Cyan (22%)

Magenta (0%)

Yellow (29%)

Black (15%)



Cyan (33%)


Magenta (15%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7824, 61.1673, 40.2984 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 47.7824, 61.1673, 40.2984 by changing the saturation by 10% instead.


 47.7824, 61.1673,
40.2984


 47.7824, 61.1673,
40.2984


368.5259,
428.8872, 362.9691

 33.8651, 44.3602,
27.4557


 86.0920, 106.5211,
76.8597

 22.9524, 30.9538,
17.6803


 111.2150,
135.8367, 101.4155

 14.6789, 20.5637,
10.5537


140.8040,
170.0904, 130.7127

 8.6792, 12.8054,
5.6572

175.2243,
209.6669, 165.1698

 4.5879, 7.2947,
2.5724

214.8413,
254.9504, 205.2055

 2.0398, 3.6471,
0.8781

260.0204,

 0.6562, 1.4782,

306.3253, 251.2383

0.0000

311.1268,
364.1761, 303.6866

■ 0.0000, 0.2733,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.7824, 61.1673,
40.2984

■ 47.7824, 61.1673,
40.2984

■ 42.7872, 58.7868,
31.3552

■ 53.5473, 63.9100,
51.0055

■ 38.5235, 56.7454,
24.0775

■ 60.1085, 67.0214,
63.5598

■ 34.9566, 55.0294,
18.3633

■ 67.4974, 70.5176,
78.0444

■ 32.0470, 53.6209,
14.0977

■ 75.7419, 74.4113,
94.5359

■ 29.7510, 52.5001,
11.1502

■ 83.3847, 78.1211,
105.2918

■ 28.0187, 51.6447,
9.3668

■ 84.3626, 78.6253,
105.3375

■ 26.7817, 51.0248,
8.5061

■ 26.6680, 50.9677,
8.4322

Harmonies

Analogous

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



54.0556, 61.1673, 32.5068



47.7824, 61.1673, 40.2984



44.4417, 61.1673, 56.3084

Triad

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



47.7824, 61.1673, 40.2984



54.4230, 61.1673, 119.2006



74.2714, 61.1673, 55.3287

Complementary

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



47.7824, 61.1673, 40.2984



48.7359, 41.0630, 71.6902

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.



74.3929, 61.1673, 78.0767



47.7824, 61.1673, 40.2984



62.4202, 61.1673, 118.7658

Square

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



47.7824, 61.1673, 40.2984



48.0300, 61.1673, 103.4829



69.8904, 61.1673, 102.4044



69.5724, 61.1673, 39.7240

Rectangle

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



47.7824, 61.1673, 40.2984



44.1101, 61.1673, 71.1145



69.8904, 61.1673, 102.4044



74.8625, 61.1673, 62.2822

Sweetspot

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



47.7840, 61.1699, 40.2997



85.5515, 95.5051, 90.3064



55.7657, 59.1413, 39.4875



18.0026, 20.2956, 18.7320



0.0000, 0.0000, 0.0000



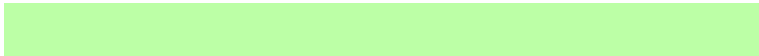
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7840, 61.1699, 40.2997



63.4612, 85.0080, 49.0197



45.8182, 60.0051, 47.0502



13.1949, 14.7652, 13.8801



16.0605, 30.5770, 5.0555



1.1199, 2.0219, 0.3312

Inverse Universe

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



48.7359, 41.0630, 71.6902



65.0287, 51.6137, 101.1428



51.4523, 42.6758, 62.2155



13.2748, 13.0998, 16.4810



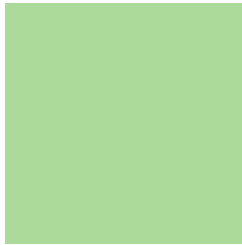
16.6907, 7.7286, 40.3505



1.1589, 0.5407, 2.6177

Previews

White Background



This preview shows how the XYZ color 47.7824, 61.1673, 40.2984 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 47.7824, 61.1673, 40.2984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

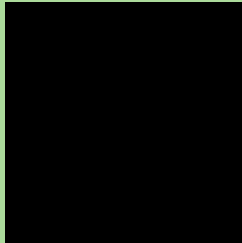
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7824, 61.1673, 40.2984

Background



This preview shows how black text looks on a background with the XYZ color 47.7824, 61.1673, 40.2984.



This preview shows how white text looks on a background with the XYZ color 47.7824, 61.1673,

40.2984.

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

47.7824, 61.1673, 40.2984

Protanopia

56.5329, 60.5713, 37.1456

Deuteranopia

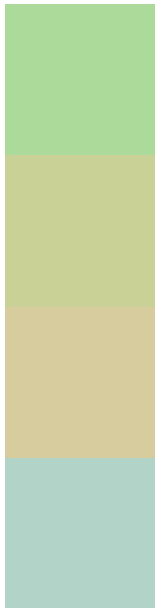
61.6817, 60.3686, 41.6590



Tritanopia

55.8193, 61.0370, 80.7908

Trichromacy



Original Color

47.7824, 61.1673, 40.2984

Protanomaly

52.7435, 60.3919, 38.1551

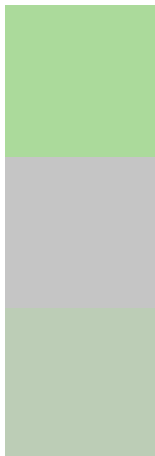
Deuteranomaly

55.4960, 59.9505, 40.9944

Tritanomaly

52.3289, 60.7221, 63.6061

Monochromacy



Original Color

47.7824, 61.1673, 40.2984

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.0139, 57.7314, 52.7105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7824, 61.1673, 40.2984 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(171, 218, 155)` looks like.

```
.text, #text, p{  
    color:rgb(171, 218, 155)  
}
```

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(171, 218, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 218, 155) }
```

Border

The CSS property to change the border of an element to XYZ 47.7824, 61.1673, 40.2984 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(171, 218, 155) }
```


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

```
.border{ border-color:rgb(171, 218, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 218, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 218, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 218, 155); box-shadow:4px 4px 4px 4px rgb(171, 218, 155) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7824, 61.1673, 40.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 218, 155) }
```

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

```
.background{ background-color: rgb(171,  
218, 155) }
```

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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