

Converting Colors

XYZ(48.8285, 61.1106, 53.6728)

Have a look what the booklet for
XYZ(48.8285, 61.1106, 53.6728)
contains.

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Color

**XYZ(48.7734, 61.0024,
53.4600)**

Conversions

Conversions Part 1

Format	Color
Hex	A5D9B6
RGB	165, 217, 182
RGB Percent	65%, 85%, 71%
CMY	0.3529, 0.1490, 0.2863
CMYK	0.24, 0.00, 0.16, 0.15
HSL	140°, 41%, 75%
HSV	140°, 24%, 85%
XYZ	48.7734, 61.0024, 53.4600
YIQ	197.4620, -19.7570, -21.9090

Conversions

Conversions Part 2

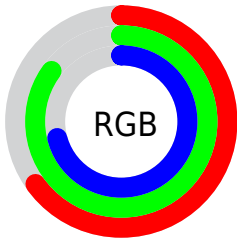
Format	Color
RYB	165, 204, 217
Decimal	10869174
CIELab	82.38, -23.75, 11.84
CIELCh	82, 26.540, 153.504
Yxy	61.0024, 0.2988, 0.3737
Android (android.graphics.Color)	4289059254 (0xFFA5D9B6)
YUV	197.4620, -7.6228, -28.4692
Hunter-Lab	78.1040, -25.2147, 14.0905

Details

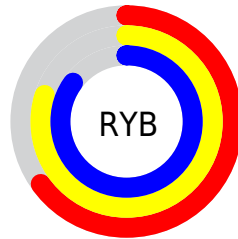
The XYZ color **48.7734, 61.0024, 53.4600** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.4978, 45.8336, 60.7260**, and the grayscale version is **53.4048, 56.1860, 61.1866**.

A 20% lighter version of the original color is **81.0114, 93.0652, 94.5825**, and **23.5649, 30.8704, 25.4855** is the 20% darker color. If you saturate the color by 10%, you get **43.2056, 58.2992, 45.7269**, and if you desaturate by 10%, it is **55.2679, 64.1685, 62.0611**.

Distribution



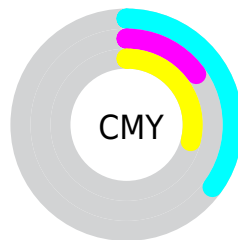
- Red (65%)
- Green (85%)
- Blue (71%)



- Red (65%)
- Yellow (80%)
- Blue (85%)



- Cyan (24%)
- Magenta (0%)
- Yellow (16%)
- Black (15%)





- Cyan (35%)
- Magenta (15%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7734, 61.0024, 53.4600 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 48.7734, 61.0024, 53.4600 by changing the saturation by 10% instead.


 48.7734, 61.0024,
53.4600


 48.7734, 61.0024,
53.4600


372.3813,
428.2828, 417.1637

 34.6536, 44.2271,
37.7799


 87.5576, 106.2824,
96.7293

 23.5614, 30.8491,
25.5114

 112.9526,
135.5559, 125.1556

 15.1315, 20.4840,
16.2360


142.8367,
169.7643, 158.6676

 8.9987, 12.7473,
9.5351

177.5753,
209.2919, 197.6840

 4.7974, 7.2548,
4.9903

217.5337,
254.5232, 242.6233

 2.1624, 3.6219,
2.1829

263.0773,

 0.7228, 1.4644,

305.8425, 293.9040

0.6645

314.5714,
363.6342, 351.9446

■ 0.0000, 0.2635,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.7734, 61.0024,
53.4600

■ 48.7734, 61.0024,
53.4600

■ 43.2056, 58.2992,
45.7269

■ 55.2679, 64.1685,
62.0611

■ 38.5160, 56.0294,
38.8305

■ 62.7245, 67.8102,
71.5519

■ 34.6592, 54.1719,
32.7437

■ 71.1831, 71.9492,
81.9586

■ 31.5836, 52.7007,
27.4362

■ 80.6794, 76.6034,
93.3049

■ 29.2316, 51.5867,
22.8761

■ 84.1040, 78.1080,
105.2513

■ 27.5371, 50.7965,
19.0288

■ 26.4204, 50.2899,
15.8569

■ 25.9494, 50.0821,
14.2504

Harmonies

Analogous

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



52.1768, 61.0024, 43.6678



48.7734, 61.0024, 53.4600



47.7794, 61.0024, 68.3452

Triad

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



48.7734, 61.0024, 53.4600



58.6489, 61.0024, 102.6544



67.5406, 61.0024, 50.6545

Complementary

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



48.7734, 61.0024, 53.4600



52.4978, 45.8336, 60.7260

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.



69.5401, 61.0024, 64.5337



48.7734, 61.0024, 53.4600



64.2003, 61.0024, 95.9585

Square

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



48.7734, 61.0024, 53.4600



53.2585, 61.0024, 98.4146



68.2800, 61.0024, 81.3244



62.9747, 61.0024, 42.2427

Rectangle

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



48.7734, 61.0024, 53.4600



48.5597, 61.0024, 79.6477



68.2800, 61.0024, 81.3244



68.5482, 61.0024, 54.7466

Sweetspot

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



48.7751, 61.0050, 53.4614



86.9106, 96.0205, 98.7355



55.5687, 64.6981, 45.1573



18.4594, 20.4825, 20.9525



0.0000, 0.0000, 0.0000



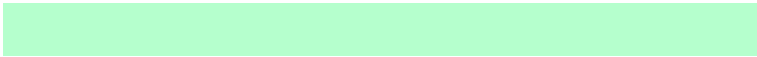
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7751, 61.0050, 53.4614



65.8744, 85.7685, 70.9831



51.6515, 62.1555, 68.6085



13.0611, 14.6761, 14.7849



15.7511, 30.3331, 8.8547



1.0594, 1.9807, 0.7786

Inverse Universe

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



52.4978, 45.8336, 60.7260



72.1731, 60.0877, 83.2660



49.7643, 44.7402, 46.3315



13.4239, 13.1987, 15.4936



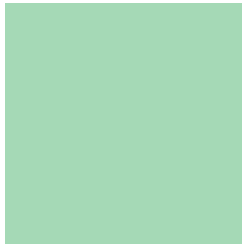
20.5163, 10.2075, 17.6305



1.3682, 0.6769, 1.3476

Previews

White Background



This preview shows how the XYZ color 48.7734, 61.0024, 53.4600 looks on a white background.

Color Contrast Check

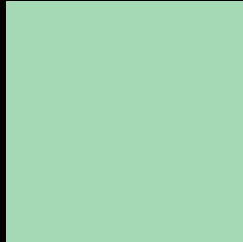
Large Text (above 18pt) WCAG AA × Fail

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 48.7734, 61.0024, 53.4600 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 48.7734, 61.0024, 53.4600

Background



This preview shows how black text looks on a background with the XYZ color 48.7734, 61.0024, 53.4600.



This preview shows how white text looks on a background with the XYZ color 48.7734, 61.0024,

53.4600.

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

48.7734, 61.0024, 53.4600

Protanopia

57.3551, 60.7279, 49.2562

Deuteranopia

61.7842, 60.4666, 54.8692



Tritanopia

54.3930, 61.0188, 81.5840

Trichromacy



Original Color

48.7734, 61.0024, 53.4600

Protanomaly

53.8623, 60.6856, 50.9941

Deuteranomaly

56.0819, 59.9539, 54.5154

Tritanomaly

52.1297, 60.8377, 70.6233

Monochromacy



Original Color

48.7734, 61.0024, 53.4600

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.1149, 57.3058, 58.2363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7734, 61.0024, 53.4600 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(165, 217, 182)` looks like.

```
.text, #text, p{  
    color:rgb(165, 217, 182)  
}
```

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(165, 217, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 217, 182) }
```

Border

The CSS property to change the border of an element to XYZ 48.7734, 61.0024, 53.4600 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(165, 217, 182) }
```


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

```
.border{ border-color:rgb(165, 217, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 217, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 217, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 217, 182);  
box-shadow:4px 4px 4px 4px rgb(165, 217,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7734, 61.0024, 53.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 217, 182) }
```

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

```
.background{ background-color: rgb(165,  
217, 182) }
```

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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