

Converting Colors

XYZ(51.2468, 66.9013, 48.6018)

Have a look what the booklet for
XYZ(51.2468, 66.9013, 48.6018)
contains.

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Color

**XYZ(51.2425, 66.7519,
48.7117)**

Conversions

Conversions Part 1

Format	Color
Hex	A8E4AB
RGB	168, 228, 171
RGB Percent	66%, 89%, 67%
CMY	0.3412, 0.1059, 0.3294
CMYK	0.26, 0.00, 0.25, 0.11
HSL	123°, 53%, 78%
HSV	123°, 26%, 89%
XYZ	51.2425, 66.7519, 48.7117
YIQ	203.5620, -17.4630, -30.4470

Conversions

Conversions Part 2

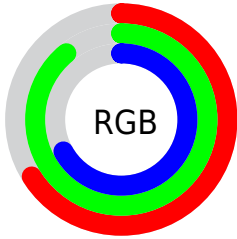
Format	Color
RYB	168, 225, 228
Decimal	11068587
CIELab	85.38, -30.03, 21.83
CIElCh	85, 37.127, 143.991
Yxy	66.7519, 0.3074, 0.4004
Android (android.graphics.Color)	4289258667 (0xFFA8E4AB)
YUV	203.5620, -16.0531, -31.1879
Hunter-Lab	81.7018, -31.0250, 21.8418

Details

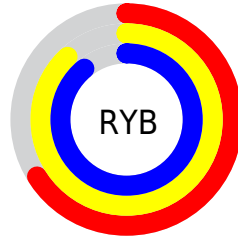
The XYZ color **51.2425, 66.7519, 48.7117** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59.5904, 49.9368, 77.7349**, and the grayscale version is **57.2255, 60.2056, 65.5639**.

A 20% lighter version of the original color is **80.3656, 92.9133, 86.3714**, and **24.9620, 34.3905, 22.4619** is the 20% darker color. If you saturate the color by 10%, you get **44.9093, 63.7083, 38.5070**, and if you desaturate by 10%, it is **58.7687, 70.3753, 60.7411**.

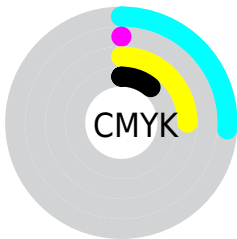
Distribution



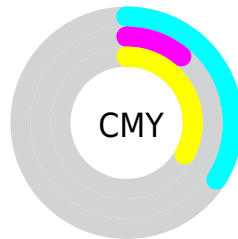
- Red (66%)
- Green (89%)
- Blue (67%)



- Red (66%)
- Yellow (88%)
- Blue (89%)



- Cyan (26%)
- Magenta (0%)
- Yellow (25%)
- Black (11%)





- Cyan (34%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2425, 66.7519, 48.7117 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 51.2425, 66.7519, 48.7117 by changing the saturation by 10% instead.


 51.2425, 66.7519,
48.7117


 51.2425, 66.7519,
48.7117


381.8774,
449.0611, 398.1960

 36.6235, 48.8830,
34.0268


 91.1940, 114.5648,
89.6397

 25.0884, 34.5267,
22.6367

 117.2571,
145.2777, 116.7199

 16.2720, 23.2985,
14.1227


147.8657,
181.0407, 148.7689

 9.8089, 14.8141,
8.0663

183.3851,
222.2382, 186.2054

 5.3337, 8.6890,
4.0490

224.1806,
269.2546, 229.4478

 2.4811, 4.5389,
1.6523


270.6175,

 0.8858, 1.9794,


322.4743, 278.9147


0.3277


323.0614,
382.2817, 335.0246


 0.0000, 0.5954,
0.0000


 0.0000, 0.0000,
0.0000


 51.2425, 66.7519,
48.7117

 51.2425, 66.7519,
48.7117


 44.9093, 63.7083,
38.5070


 58.7687, 70.3753,
60.7411


 39.7029, 61.2064,
30.0339

 67.5390, 74.5973,
74.6734

 35.5587, 59.2170,
23.1975

 77.6083, 79.4464,
90.5878

 32.4035, 57.7046,
17.8922

 87.0347, 83.9694,
106.2282

■ 30.1548, 56.6292,
14.0002

■ 28.7167, 55.9442,
11.3864

■ 27.9707, 55.5919,
9.8894

■ 27.8075, 55.5145,
9.5788

Harmonies

Analogous

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



57.0948, 66.7519, 38.0485



51.2425, 66.7519, 48.7117



48.6836, 66.7519, 67.9404

Triad

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



51.2425, 66.7519, 48.7117



61.7679, 66.7519, 129.1560



79.3966, 66.7519, 55.4296

Complementary

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



51.2425, 66.7519, 48.7117



59.5904, 49.9368, 77.7349

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.



80.9256, 66.7519, 77.6381



51.2425, 66.7519, 48.7117



70.2508, 66.7519, 123.7367

Square

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



51.2425, 66.7519, 48.7117



54.4053, 66.7519, 116.9524



77.4470, 66.7519, 103.4516



73.4359, 66.7519, 41.2852

Rectangle

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



51.2425, 66.7519, 48.7117



49.0120, 66.7519, 84.4641



77.4470, 66.7519, 103.4516



80.4667, 66.7519, 62.0490

Sweetspot

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



51.2443, 66.7547, 48.7132



84.9742, 95.1482, 92.9548



65.8655, 74.3249, 47.9209



17.8084, 20.1829, 19.2939



0.0000, 0.0000, 0.0000



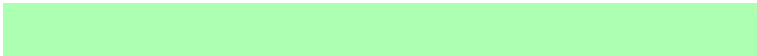
20.3446, 21.4041, 23.3091

Same Dimension

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



51.2443, 66.7547, 48.7132



61.0660, 83.6435, 54.7731



54.4364, 68.0316, 65.5225



14.2184, 16.1008, 15.4149



16.0690, 32.0597, 5.5976



1.1978, 2.3732, 0.4682

Inverse Universe

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



59.5904, 49.9368, 77.7349



73.6602, 58.2607, 98.5629



55.8499, 48.4407, 58.0377



14.9623, 14.6021, 18.0021



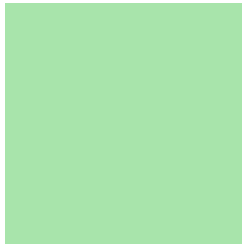
25.6904, 12.4104, 38.8600



1.9081, 0.9209, 2.9224

Previews

White Background



This preview shows how the XYZ color 51.2425, 66.7519, 48.7117 looks on a white background.

Color Contrast Check

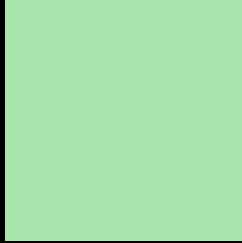
Large Text (above 18pt) WCAG AA × Fail

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 51.2425, 66.7519, 48.7117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

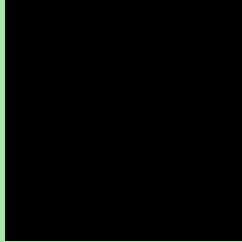
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2425, 66.7519, 48.7117

Background



This preview shows how black text looks on a background with the XYZ color 51.2425, 66.7519, 48.7117.



This preview shows how white text looks on a background with the XYZ color 51.2425, 66.7519,

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

51.2425, 66.7519, 48.7117

Protanopia

61.9229, 66.0982, 44.6165

Deuteranopia

67.4354, 65.9132, 50.2426



Tritanopia

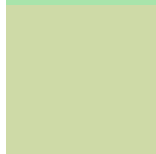
59.4400, 66.4808, 89.8200

Trichromacy



Original Color

51.2425, 66.7519, 48.7117



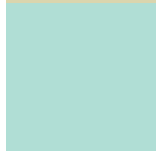
Protanomaly

57.5001, 66.0546, 46.2785



Deuteranomaly

60.3477, 65.5499, 49.5161



Tritanomaly

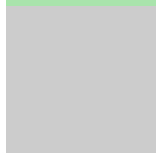
56.0360, 66.2768, 72.7901

Monochromacy



Original Color

51.2425, 66.7519, 48.7117



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.7945, 62.4706, 59.0392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2425, 66.7519, 48.7117 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(168, 228, 171)` looks like.

```
.text, #text, p{  
    color:rgb(168, 228, 171)  
}
```

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(168, 228, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 228, 171) }
```

Border

The CSS property to change the border of an element to XYZ 51.2425, 66.7519, 48.7117 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(168, 228, 171) }
```


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

```
.border{ border-color:rgb(168, 228, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 228, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 228, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 228, 171);  
box-shadow:4px 4px 4px 4px rgb(168, 228,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2425, 66.7519, 48.7117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 228, 171) }
```

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

```
.background{ background-color: rgb(168,  
228, 171) }
```

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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