

Converting Colors

XYZ(48.3951, 68.9947, 32.8160)

Have a look what the booklet for
XYZ(48.3951, 68.9947, 32.8160)
contains.

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Color

**XYZ(48.3296, 68.9535,
32.9524)**

Conversions

Conversions Part 1

Format	Color
Hex	9EEC85
RGB	158, 236, 133
RGB Percent	62%, 93%, 52%
CMY	0.3804, 0.0745, 0.4784
CMYK	0.33, 0.00, 0.44, 0.07
HSL	105°, 73%, 72%
HSV	105°, 44%, 93%
XYZ	48.3296, 68.9535, 32.9524
YIQ	200.9360, -13.4250, -48.5690

Conversions

Conversions Part 2

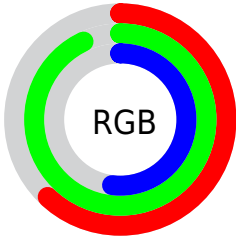
Format	Color
RYB	133, 236, 211
Decimal	10415237
CIELab	86.48, -42.65, 42.41
CIELCh	86, 60.147, 135.158
Yxy	68.9535, 0.3217, 0.4590
Android (android.graphics.Color)	4288605317 (0xFF9EEC85)
YUV	200.9360, -33.4924, -37.6549
Hunter-Lab	83.0382, -41.4270, 34.5985

Details

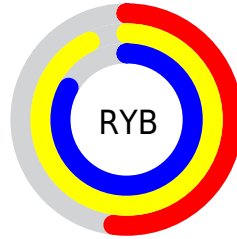
The XYZ color **48.3296, 68.9535, 32.9524** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.3951, 36.6823, 83.7850**, and the grayscale version is **55.6862, 58.5862, 63.8004**.

A 20% lighter version of the original color is **72.7540, 89.5549, 60.4650**, and **23.4000, 36.1202, 13.5232** is the 20% darker color. If you saturate the color by 10%, you get **43.6156, 66.6931, 25.1561**, and if you desaturate by 10%, it is **53.9247, 71.6299, 42.7048**.

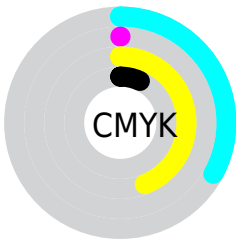
Distribution



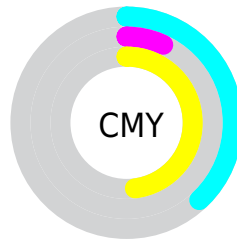
- Red (62%)
- Green (93%)
- Blue (52%)



- Red (52%)
- Yellow (93%)
- Blue (83%)



- Cyan (33%)
- Magenta (0%)
- Yellow (44%)
- Black (7%)





- Cyan (38%)
- Magenta (7%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3296, 68.9535, 32.9524 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 48.3296, 68.9535, 32.9524 by changing the saturation by 10% instead.


 48.3296, 68.9535,
32.9524


 48.3296, 68.9535,
32.9524


370.6580,
456.8670, 330.0606


 34.3003, 50.6738,
21.8192


 86.9017, 117.7152,
65.4164

 23.2884, 35.9491,
13.5270


 112.1752,
148.9659, 87.5842

 14.9285, 24.3949,
7.6575


 141.9274,
185.3092, 114.2672

 8.8552, 15.6268,
3.7920

176.5239,
227.1294, 145.8841

 4.7032, 9.2605,
1.5119

216.3298,
274.8109, 182.8534

 2.1071, 4.9115,
0.2268


261.7105,

 0.6931, 2.1954,


328.7380, 225.5935


0.0000


313.0315,
389.2953, 274.5231


 0.0000, 0.7175,
0.0000


 0.0000, 0.0000,
0.0000


 48.3296, 68.9535,
32.9524


 48.3296, 68.9535,
32.9524


 43.6156, 66.6931,
25.1561


 53.9247, 71.6299,
42.7048


 39.7307, 64.8187,
19.1795


 60.4389, 74.7332,
54.5284


 36.6252, 63.3097,
14.8761


 67.9142, 78.2845,
68.5347


 34.2413, 62.1403,
12.0745

 76.3883, 82.3013,
84.8260

 32.5116, 61.2802,
10.5667

 85.8969, 86.7997,
103.4980

 31.7000, 60.8718,
10.0787

 89.2869, 88.4738,
106.9790

Harmonies

Analogous

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



58.7844, 68.9535, 22.7264



48.3296, 68.9535, 32.9524



42.9166, 68.9535, 57.1011

Triad

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



48.3296, 68.9535, 32.9524



58.9168, 68.9535, 176.2538



94.9233, 68.9535, 56.7625

Complementary

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



48.3296, 68.9535, 32.9524



50.3951, 36.6823, 83.7850

Split Complementary

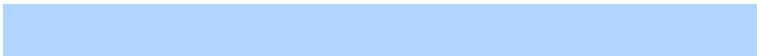
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.9720, 68.9535, 96.4815



48.3296, 68.9535, 32.9524



72.7905, 68.9535, 176.0612

Square

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



48.3296, 68.9535, 32.9524



48.4146, 68.9535, 143.6198



86.4122, 68.9535, 143.1609



86.2871, 68.9535, 32.7805

Rectangle

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



48.3296, 68.9535, 32.9524



42.3274, 68.9535, 82.1840



86.4122, 68.9535, 143.1609



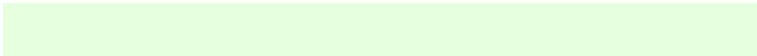
95.9807, 68.9535, 68.3951

Sweetspot

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



48.3313, 68.9565, 32.9539



81.5242, 93.5915, 82.7701



61.9370, 65.7462, 31.6172



17.0018, 19.8199, 16.8671



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.



48.3313, 68.9565, 32.9539



52.7349, 79.8622, 31.1781



45.9068, 67.4752, 43.2933



15.2107, 17.0386, 16.0058



17.5701, 33.6022, 5.5598



1.4642, 2.6822, 0.4405

Inverse Universe

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



50.3951, 36.6823, 83.7850



55.4346, 36.8968, 98.8078



54.6463, 39.2754, 65.8399



15.3369, 15.1190, 19.0322



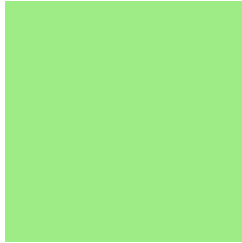
18.6804, 8.6660, 44.4311



1.5521, 0.7244, 3.4929

Previews

White Background



This preview shows how the XYZ color 48.3296, 68.9535, 32.9524 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 48.3296, 68.9535, 32.9524 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

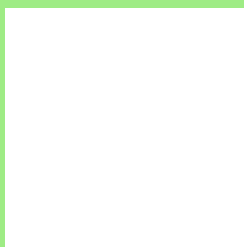
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.3296, 68.9535, 32.9524

Background



This preview shows how black text looks on a background with the XYZ color 48.3296, 68.9535, 32.9524.



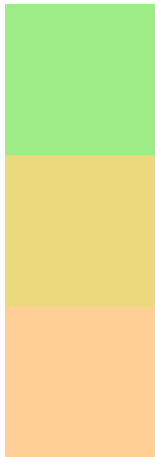
This preview shows how white text looks on a background with the XYZ color 48.3296, 68.9535,

32.9524.

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

48.3296, 68.9535, 32.9524

Protanopia

62.8496, 68.4253, 29.2969

Deuteranopia

69.0578, 68.0877, 38.3567



Tritanopia

60.1694, 68.3563, 93.2419

Trichromacy



Original Color

48.3296, 68.9535, 32.9524



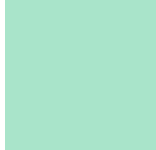
Protanomaly

56.2964, 67.7438, 30.5308



Deuteranomaly

59.6206, 67.3721, 36.2473



Tritanomaly

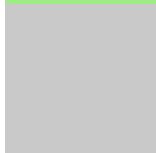
54.7663, 68.1861, 66.1519

Monochromacy



Original Color

48.3296, 68.9535, 32.9524



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.8906, 61.5420, 50.2182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3296, 68.9535, 32.9524 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(158, 236, 133)` looks like.

```
.text, #text, p{  
    color:rgb(158, 236, 133)  
}
```

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(158, 236, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 236, 133) }
```

Border

The CSS property to change the border of an element to XYZ 48.3296, 68.9535, 32.9524 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(158, 236, 133) }
```


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

```
.border{ border-color:rgb(158, 236, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 236, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 236, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 236, 133);  
box-shadow:4px 4px 4px 4px rgb(158, 236,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3296, 68.9535, 32.9524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 236, 133) }
```

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

```
.background{ background-color: rgb(158,  
236, 133) }
```

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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