

Converting Colors

XYZ(49.0065, 65.5559, 50.6526)

Have a look what the booklet for
XYZ(49.0065, 65.5559, 50.6526)
contains.

XYZ(48.9988, 65.5505, 50.6274)	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(48.9988, 65.5505,
50.6274)**

Conversions

Conversions Part 1

Format	Color
Hex	9BE4AF
RGB	155, 228, 175
RGB Percent	61%, 89%, 69%
CMY	0.3922, 0.1059, 0.3137
CMYK	0.32, 0.00, 0.23, 0.11
HSL	136°, 57%, 75%
HSV	136°, 32%, 89%
XYZ	48.9988, 65.5505, 50.6274
YIQ	200.1310, -26.4950, -31.9590

Conversions

Conversions Part 2

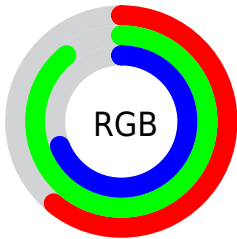
Format	Color
RYB	155, 212, 228
Decimal	10216623
CIELab	84.77, -33.42, 18.79
CIELCh	85, 38.345, 150.653
Yxy	65.5505, 0.2966, 0.3969
Android (android.graphics.Color)	4288406703 (0xFF9BE4AF)
YUV	200.1310, -12.3896, -39.5799
Hunter-Lab	80.9633, -33.6579, 19.5995

Details

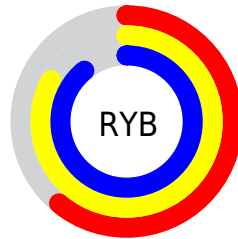
The XYZ color **48.9988, 65.5505, 50.6274** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55.1036, 44.4921, 65.3607**, and the grayscale version is **55.0674, 57.9352, 63.0915**.

A 20% lighter version of the original color is **77.0478, 91.1384, 89.1319**, and **23.6322, 33.6769, 23.6671** is the 20% darker color. If you saturate the color by 10%, you get **43.5020, 62.8951, 42.3975**, and if you desaturate by 10%, it is **55.5246, 68.7170, 59.9487**.

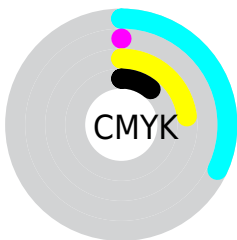
Distribution



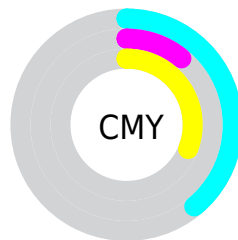
- Red (61%)
- Green (89%)
- Blue (69%)



- Red (61%)
- Yellow (83%)
- Blue (89%)



- Cyan (32%)
- Magenta (0%)
- Yellow (23%)
- Black (11%)





- Cyan (39%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9988, 65.5505, 50.6274 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 48.9988, 65.5505, 50.6274 by changing the saturation by 10% instead.


 48.9988, 65.5505,
50.6274


 48.9988, 65.5505,
50.6274


373.2546,
444.7676, 405.9196

 34.8331, 47.9076,
35.5375


 87.8904, 112.8409,
92.5096

 23.7002, 33.7537,
23.7903


 113.3470,
143.2573, 120.1390

 15.2349, 22.7045,
14.9674


143.2979,
178.7002, 152.7853

 9.0718, 14.3754,
8.6502

178.1084,
219.5541, 190.8671

 4.8455, 8.3822,
4.4200

218.1441,
266.2034, 234.8029

 2.1907, 4.3405,
1.8585

263.7701,

 0.7379, 1.8658,

319.0325, 285.0112

0.4661

315.3518,
378.4258, 341.9106

■ 0.0000, 0.5277,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.9988, 65.5505,
50.6274

■ 48.9988, 65.5505,
50.6274

■ 43.5020, 62.8951,
42.3975

■ 55.5246, 68.7170,
59.9487

■ 38.9753, 60.7158,
35.2147

■ 63.1239, 72.4112,
70.3950

■ 35.3613, 58.9857,
29.0379

■ 71.8451, 76.6592,
82.0038

■ 32.5948, 57.6721,
23.8217

■ 81.7317, 81.4828,
94.8095

■ 30.6010, 56.7375,
19.5172

■ 87.0347, 83.9693,
106.2282

■ 29.2912, 56.1372,
16.0708

■ 28.6270, 55.8423,
13.8946

Harmonies

Analogous

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



54.2639, 65.5505, 37.9493



48.9988, 65.5505, 50.6274



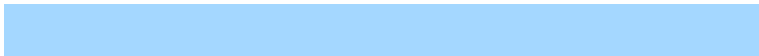
47.2175, 65.5505, 71.9134

Triad

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



48.9988, 65.5505, 50.6274



62.4921, 65.5505, 129.8240



77.6045, 65.5505, 49.8890

Complementary

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



48.9988, 65.5505, 50.6274



55.1036, 44.4921, 65.3607

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.



80.3032, 65.5505, 70.8361



48.9988, 65.5505, 50.6274



71.1010, 65.5505, 120.2353

Square

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



48.9988, 65.5505, 50.6274



54.5615, 65.5505, 120.9995



77.8225, 65.5505, 97.1298



70.7458, 65.5505, 37.5969

Rectangle

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



48.9988, 65.5505, 50.6274



48.1036, 65.5505, 89.3728



77.8225, 65.5505, 97.1298



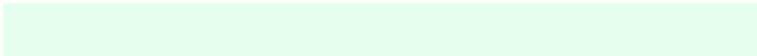
79.0550, 65.5505, 55.9690

Sweetspot

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



49.0005, 65.5532, 50.6289



83.4440, 94.3448, 93.5401



59.8249, 71.3438, 41.6286



17.5369, 20.0362, 19.5858



0.0000, 0.0000, 0.0000



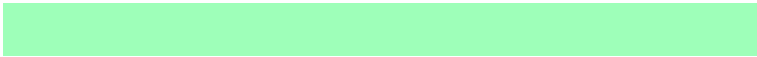
20.3446, 21.4041, 23.3091

Same Dimension

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



49.0005, 65.5532, 50.6289



58.6000, 82.2872, 58.4985



53.0167, 67.1597, 71.7775



14.3507, 16.1537, 16.1117



16.5724, 32.2611, 8.2486



1.2629, 2.3993, 0.8110

Inverse Universe

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



55.1036, 44.4921, 65.3607



67.5504, 51.3745, 80.0845



51.1677, 42.9178, 44.6347



14.8178, 14.5443, 17.2409



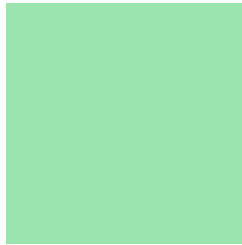
22.4773, 11.1251, 21.9401



1.6996, 0.8376, 1.8246

Previews

White Background



This preview shows how the XYZ color 48.9988, 65.5505, 50.6274 looks on a white background.

Color Contrast Check

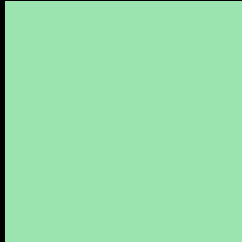
Large Text (above 18pt) WCAG AA × Fail

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 48.9988, 65.5505, 50.6274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

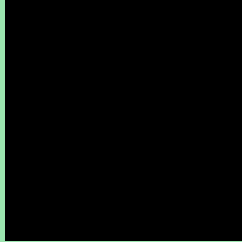
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9988, 65.5505, 50.6274

Background



This preview shows how black text looks on a background with the XYZ color 48.9988, 65.5505, 50.6274.



This preview shows how white text looks on a background with the XYZ color 48.9988, 65.5505,

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

48.9988, 65.5505, 50.6274

Protanopia

60.7621, 64.7305, 45.8509

Deuteranopia

66.2121, 64.8844, 52.2142



Tritanopia

56.8156, 65.5163, 89.7722

Trichromacy



Original Color

48.9988, 65.5505, 50.6274



Protanomaly

55.6217, 64.6701, 47.5812



Deuteranomaly

58.1577, 64.0030, 51.4080



Tritanomaly

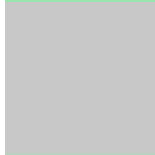
53.6295, 65.4169, 73.4185

Monochromacy



Original Color

48.9988, 65.5505, 50.6274



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.2177, 60.0451, 58.1279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9988, 65.5505, 50.6274 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(155, 228, 175)` looks like.

```
.text, #text, p{  
    color:rgb(155, 228, 175)  
}
```

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(155, 228, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 228, 175) }
```

Border

The CSS property to change the border of an element to XYZ 48.9988, 65.5505, 50.6274 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(155, 228, 175) }
```


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

```
.border{ border-color:rgb(155, 228, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 228, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 228, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 228, 175);  
box-shadow:4px 4px 4px 4px rgb(155, 228,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9988, 65.5505, 50.6274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 228, 175) }
```

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

```
.background{ background-color: rgb(155,  
228, 175) }
```

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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