

Converting Colors

XYZ(51.0841, 64.8565, 52.2675)

Have a look what the booklet for
XYZ(51.0841, 64.8565, 52.2675)
contains.

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Color

**XYZ(51.1545, 65.0010,
52.4981)**

Conversions

Conversions Part 1

Format	Color
Hex	A9E0B3
RGB	169, 224, 179
RGB Percent	66%, 88%, 70%
CMY	0.3372, 0.1216, 0.2980
CMYK	0.25, 0.00, 0.20, 0.12
HSL	131°, 47%, 77%
HSV	131°, 25%, 88%
XYZ	51.1545, 65.0010, 52.4981
YIQ	202.4250, -18.3350, -25.6550

Conversions

Conversions Part 2

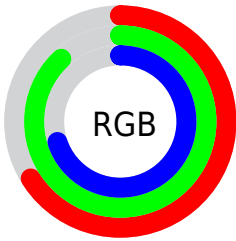
Format	Color
RYB	169, 216, 224
Decimal	11133107
CIELab	84.48, -26.41, 16.42
CIELCh	84, 31.100, 148.130
Yxy	65.0010, 0.3033, 0.3854
Android (android.graphics.Color)	4289323187 (0xFFA9E0B3)
YUV	202.4250, -11.5485, -29.3137
Hunter-Lab	80.6232, -27.8344, 17.8293

Details

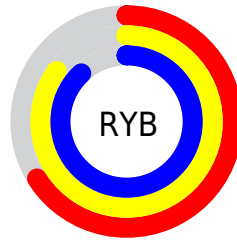
The XYZ color **51.1545, 65.0010, 52.4981** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **57.0683, 49.0797, 70.0866**, and the grayscale version is **56.4841, 59.4256, 64.7145**.

A 20% lighter version of the original color is **81.8067, 93.5257, 92.3379**, and **25.1563, 33.5953, 24.8973** is the 20% darker color. If you saturate the color by 10%, you get **45.0224, 62.0418, 43.1701**, and if you desaturate by 10%, it is **58.3598, 68.4887, 63.1652**.

Distribution



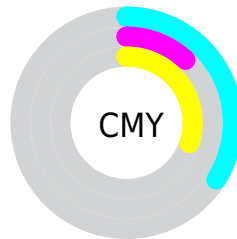
- Red (66%)
- Green (88%)
- Blue (70%)



- Red (66%)
- Yellow (85%)
- Blue (88%)



- Cyan (25%)
- Magenta (0%)
- Yellow (20%)
- Black (12%)





- Cyan (34%)
- Magenta (12%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1545, 65.0010, 52.4981 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 51.1545, 65.0010, 52.4981 by changing the saturation by 10% instead.


 51.1545, 65.0010,
52.4981

 51.1545, 65.0010,
52.4981


381.5415,
442.7956, 413.3681

 36.5531, 47.4619,
37.0173


 91.0647, 112.0513,
95.2995

 25.0338, 33.4009,
24.9250

117.1043,
142.3313, 123.4571

 16.2311, 22.4338,
15.8027


147.6873,
177.6270, 156.6774

 9.7797, 14.1760,
9.2318

183.1792,
218.3228, 195.3789

 5.3143, 8.2432,
4.7938

223.9451,
264.8032, 239.9802

 2.4695, 4.2509,
2.0702

270.3506,

 0.8799, 1.8149,

317.4526, 290.8998

0.5979

322.7610,
376.6552, 348.5563

■ 0.0000, 0.4964,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.1545, 65.0010,
52.4981

■ 51.1545, 65.0010,
52.4981

■ 45.0224, 62.0418,
43.1701

■ 58.3598, 68.4887,
63.1652

■ 39.9066, 59.5773,
35.1240

■ 66.6812, 72.5204,
75.2170

■ 35.7530, 57.5826,
28.3052

■ 76.1654, 77.1211,
88.7020

■ 32.5002, 56.0275,
22.6530

■ 85.5172, 81.6219,
103.6027

■ 30.0794, 54.8777,
18.1020

■ 85.9469, 81.7938,
105.8656

■ 28.4118, 54.0943,
14.5798

■ 27.4024, 53.6299,
12.0057

■ 27.0524, 53.4720,
10.9683

Harmonies

Analogous

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



55.7169, 65.0010, 42.2030



51.1545, 65.0010, 52.4981



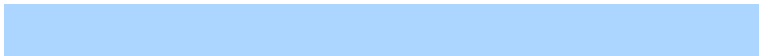
49.4119, 65.0010, 69.5387

Triad

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



51.1545, 65.0010, 52.4981



61.3483, 65.0010, 116.1125



74.2768, 65.0010, 54.2830

Complementary

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



51.1545, 65.0010, 52.4981



57.0683, 49.0797, 70.0866

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.



76.0603, 65.0010, 72.0259



51.1545, 65.0010, 52.4981



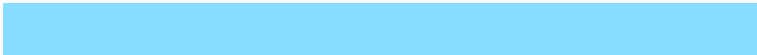
68.2709, 65.0010, 109.9890

Square

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



51.1545, 65.0010, 52.4981



55.0178, 65.0010, 108.3290



73.7869, 65.0010, 92.8667



69.0780, 65.0010, 43.0902

Rectangle

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



51.1545, 65.0010, 52.4981



49.9772, 65.0010, 83.3102



73.7869, 65.0010, 92.8667



75.3119, 65.0010, 59.5649

Sweetspot

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



51.1562, 65.0037, 52.4995



86.5222, 95.8652, 96.6900



61.7951, 70.6009, 47.9071



18.3697, 20.4466, 20.4799



0.0000, 0.0000, 0.0000



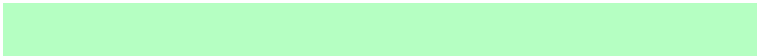
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1562, 65.0037, 52.4995



64.6211, 85.2671, 64.3834



54.1199, 66.1892, 68.1061



13.6300, 15.3777, 15.0870



15.7761, 31.1353, 6.5441



1.1237, 2.1702, 0.6126

Inverse Universe

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



57.0683, 49.0797, 70.0866



73.7342, 60.7122, 91.4865



53.9358, 47.8267, 53.5911



14.1825, 13.8906, 16.7312



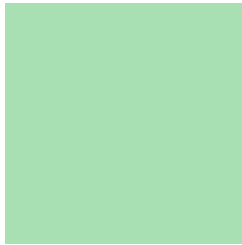
22.9241, 11.2367, 27.3299



1.6172, 0.7901, 2.0429

Previews

White Background



This preview shows how the XYZ color 51.1545, 65.0010, 52.4981 looks on a white background.

Color Contrast Check

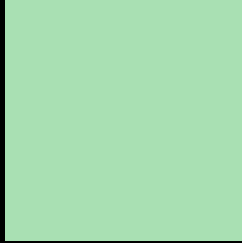
Large Text (above 18pt) WCAG AA × Fail

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 51.1545, 65.0010, 52.4981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

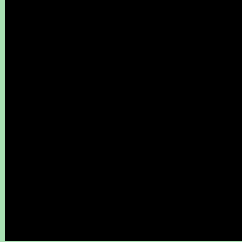
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1545, 65.0010, 52.4981

Background



This preview shows how black text looks on a background with the XYZ color 51.1545, 65.0010, 52.4981.



This preview shows how white text looks on a background with the XYZ color 51.1545, 65.0010,

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

51.1545, 65.0010, 52.4981

Protanopia

60.6172, 64.6013, 48.3042

Deuteranopia

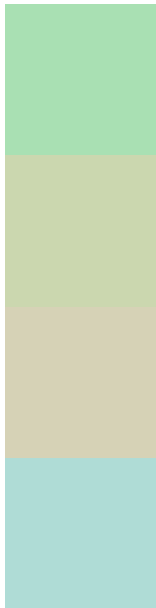
65.7074, 64.2270, 54.2813



Tritanopia

58.2545, 65.1499, 87.3468

Trichromacy



Original Color

51.1545, 65.0010, 52.4981

Protanomaly

56.6669, 64.3925, 49.9998

Deuteranomaly

59.2216, 63.7667, 53.4429

Tritanomaly

55.4100, 65.1554, 73.2742

Monochromacy



Original Color

51.1545, 65.0010, 52.4981

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

54.0194, 60.9354, 59.9535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1545, 65.0010, 52.4981 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(169, 224, 179)` looks like.

```
.text, #text, p{  
    color:rgb(169, 224, 179)  
}
```

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(169, 224, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 224, 179) }
```

Border

The CSS property to change the border of an element to XYZ 51.1545, 65.0010, 52.4981 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(169, 224, 179) }
```


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

```
.border{ border-color:rgb(169, 224, 179) }
```

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

Here you see how a box with a 4 pixel rgb(169, 224, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 224, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 224, 179);  
box-shadow:4px 4px 4px 4px rgb(169, 224,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1545, 65.0010, 52.4981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 224, 179) }
```

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

```
.background{ background-color: rgb(169,  
224, 179) }
```

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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