

Converting Colors

XYZ(51.6611, 65.4811, 50.0650)

Have a look what the booklet for
XYZ(51.6611, 65.4811, 50.0650)
contains.

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Color

**XYZ(51.5292, 65.2515,
49.9233)**

Conversions

Conversions Part 1

Format	Color
Hex	ADE0AE
RGB	173, 224, 174
RGB Percent	68%, 88%, 68%
CMY	0.3216, 0.1216, 0.3176
CMYK	0.23, 0.00, 0.22, 0.12
HSL	121°, 45%, 78%
HSV	121°, 23%, 88%
XYZ	51.5292, 65.2515, 49.9233
YIQ	203.0510, -14.3460, -26.3620

Conversions

Conversions Part 2

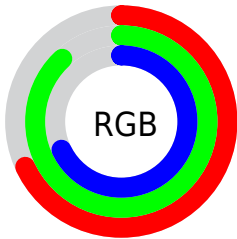
Format	Color
RYB	173, 223, 224
Decimal	11395246
CIELab	84.61, -25.98, 19.25
CIELCh	85, 32.332, 143.460
Yxy	65.2515, 0.3091, 0.3914
Android (android.graphics.Color)	4289585326 (0xFFFADE0AE)
YUV	203.0510, -14.3221, -26.3547
Hunter-Lab	80.7784, -27.4956, 19.9020

Details

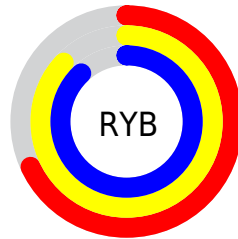
The XYZ color **51.5292, 65.2515, 49.9233** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59.0055, 51.0636, 76.5612**, and the grayscale version is **56.8918, 59.8546, 65.1816**.

A 20% lighter version of the original color is **82.3560, 93.8912, 88.6451**, and **25.3849, 33.7495, 23.2655** is the 20% darker color. If you saturate the color by 10%, you get **45.0163, 62.1233, 39.3417**, and if you desaturate by 10%, it is **59.2261, 68.9533, 62.3902**.

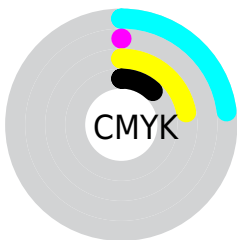
Distribution



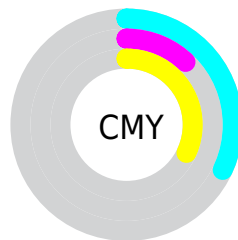
- Red (68%)
- Green (88%)
- Blue (68%)



- Red (68%)
- Yellow (87%)
- Blue (88%)



- Cyan (23%)
- Magenta (0%)
- Yellow (22%)
- Black (12%)





- Cyan (32%)
- Magenta (12%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5292, 65.2515, 49.9233 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 51.5292, 65.2515, 49.9233 by changing the saturation by 10% instead.


 51.5292, 65.2515,
49.9233

 51.5292, 65.2515,
49.9233


382.9702,
443.6952, 403.0924

 36.8527, 47.6650,
34.9817


 91.6149, 112.4114,
91.4564

 25.2666, 33.5617,
23.3653

117.7548,
142.7536, 118.8849

 16.4056, 22.5571,
14.6557


148.4465,
178.1164, 151.3128

 9.9043, 14.2668,
8.4342

184.0554,
218.8844, 189.1587

 5.3973, 8.3065,
4.2823

224.9469,
265.4419, 232.8411

 2.5193, 4.2917,
1.7814

271.4863,

 0.9050, 1.8380,

318.1733, 282.7784

0.4157

324.0390,
377.4629, 339.3894

0.0000, 0.5107,
0.0000

0.0000, 0.0000,
0.0000

51.5292, 65.2515,
49.9233

51.5292, 65.2515,
49.9233

45.0163, 62.1233,
39.3417

59.2261, 68.9533,
62.3902

39.6238, 59.5324,
30.5498

68.1561, 73.2467,
76.8233

35.2901, 57.4510,
23.4498

78.3720, 78.1590,
93.3039

31.9456, 55.8455,
17.9331

85.9469, 81.7938,
105.8656

■ 29.5123, 54.6783,
13.8784

■ 27.9006, 53.9062,
11.1471

■ 27.0027, 53.4772,
9.5737

■ 26.6810, 53.3235,
9.0124

Harmonies

Analogous

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



56.6597, 65.2515, 40.4814



51.5292, 65.2515, 49.9233



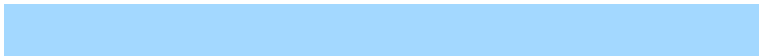
49.2343, 65.2515, 66.6186

Triad

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



51.5292, 65.2515, 49.9233



60.4531, 65.2515, 118.2741



75.6341, 65.2515, 56.3770

Complementary

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



51.5292, 65.2515, 49.9233



59.0055, 51.0636, 76.5612

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.



76.8463, 65.2515, 75.6691



51.5292, 65.2515, 49.9233



67.7073, 65.2515, 114.0754

Square

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



51.5292, 65.2515, 49.9233



54.1221, 65.2515, 107.9832



73.8451, 65.2515, 97.4215



70.6502, 65.2515, 43.6714

Rectangle

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



51.5292, 65.2515, 49.9233



49.4840, 65.2515, 80.7016



73.8451, 65.2515, 97.4215



76.5114, 65.2515, 62.1963

Sweetspot

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



51.5309, 65.2543, 49.9247



86.0944, 95.6941, 94.4376



64.6789, 72.0436, 50.0326



18.2710, 20.4071, 19.9602



0.0000, 0.0000, 0.0000



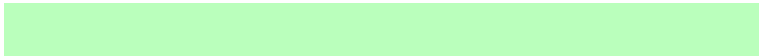
20.3446, 21.4041, 23.3091

Same Dimension

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



51.5309, 65.2543, 49.9247



65.0695, 85.5872, 60.3858



54.2406, 66.3381, 64.1937



13.5396, 15.3416, 14.6110



15.5344, 31.0386, 5.2714



1.0807, 2.1530, 0.3859

Inverse Universe

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



59.0055, 51.0636, 76.5612



76.6638, 63.5743, 101.7021



55.8388, 49.7969, 59.8851



14.2828, 13.9308, 17.2595



25.3875, 12.2220, 40.3019



1.7635, 0.8487, 2.8133

Previews

White Background



This preview shows how the XYZ color 51.5292, 65.2515, 49.9233 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 51.5292, 65.2515, 49.9233 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

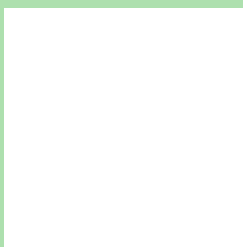
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.5292, 65.2515, 49.9233

Background



This preview shows how black text looks on a background with the XYZ color 51.5292, 65.2515, 49.9233.



This preview shows how white text looks on a background with the XYZ color 51.5292, 65.2515,

49.9233.

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

51.5292, 65.2515, 49.9233

Protanopia

60.7621, 64.7305, 45.8509

Deuteranopia

66.0098, 64.8035, 51.1487



Tritanopia

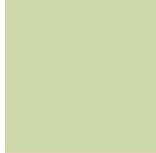
58.7923, 65.0622, 86.5504

Trichromacy



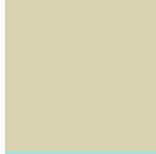
Original Color

51.5292, 65.2515, 49.9233



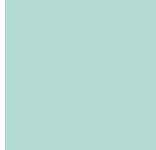
Protanomaly

56.7330, 64.4823, 47.4864



Deuteranomaly

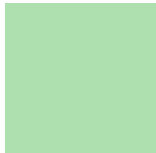
59.8453, 64.5146, 50.8933



Tritanomaly

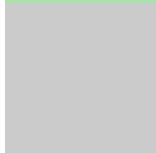
55.8056, 65.0002, 71.8924

Monochromacy



Original Color

51.5292, 65.2515, 49.9233



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

54.5469, 61.6008, 58.8844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5292, 65.2515, 49.9233 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(173, 224, 174)` looks like.

```
.text, #text, p{  
    color:rgb(173, 224, 174)  
}
```

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(173, 224, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 224, 174) }
```

Border

The CSS property to change the border of an element to XYZ 51.5292, 65.2515, 49.9233 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(173, 224, 174) }
```


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

```
.border{ border-color:rgb(173, 224, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 224, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 224, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 224, 174);  
box-shadow:4px 4px 4px 4px rgb(173, 224,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5292, 65.2515, 49.9233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 224, 174) }
```

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

```
.background{ background-color: rgb(173,  
224, 174) }
```

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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