

Converting Colors

XYZ(51.1877, 65.9951, 48.3766)

Have a look what the booklet for
XYZ(51.1877, 65.9951, 48.3766)
contains.

XYZ(51.1246, 65.8790, 48.5495)	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(51.1246, 65.8790,
48.5495)**

Conversions

Conversions Part 1

Format	Color
Hex	AAE2AB
RGB	170, 226, 171
RGB Percent	67%, 89%, 67%
CMY	0.3333, 0.1137, 0.3294
CMYK	0.25, 0.00, 0.24, 0.11
HSL	121°, 49%, 78%
HSV	121°, 25%, 89%
XYZ	51.1246, 65.8790, 48.5495
YIQ	202.9860, -15.7210, -28.9770

Conversions

Conversions Part 2

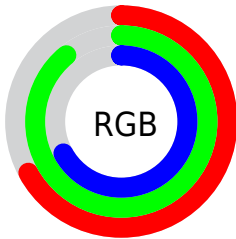
Format	Color
RYB	170, 225, 226
Decimal	11199147
CIELab	84.93, -28.43, 21.23
CIELCh	85, 35.485, 143.249
Yxy	65.8790, 0.3088, 0.3979
Android (android.graphics.Color)	4289389227 (0xFFAAE2AB)
YUV	202.9860, -15.7691, -28.9287
Hunter-Lab	81.1659, -29.6071, 21.3517

Details

The XYZ color **51.1246, 65.8790, 48.5495** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59.3316, 50.3558, 77.8294**, and the grayscale version is **56.8603, 59.8215, 65.1456**.

A 20% lighter version of the original color is **80.9892, 93.2348, 86.4006**, and **24.9070, 33.7944, 22.6630** is the 20% darker color. If you saturate the color by 10%, you get **44.7115, 62.7991, 38.1174**, and if you desaturate by 10%, it is **58.7363, 69.5396, 60.8951**.

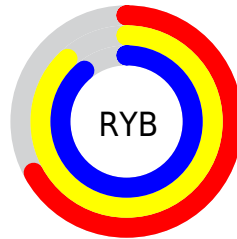
Distribution



Red (67%)

Green (89%)

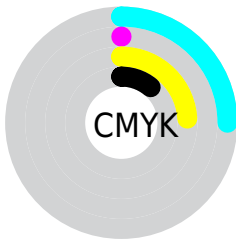
Blue (67%)



Red (67%)

Yellow (88%)

Blue (89%)

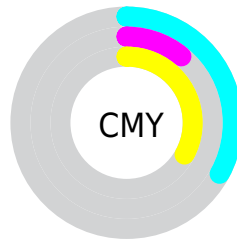


Cyan (25%)

Magenta (0%)

Yellow (24%)

Black (11%)



Cyan (33%)

Magenta (11%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1246, 65.8790, 48.5495 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 51.1246, 65.8790, 48.5495 by changing the saturation by 10% instead.

■ 51.1246, 65.8790,
48.5495

■ 51.1246, 65.8790,
48.5495

381.4274,
445.9440, 397.5375

■ 36.5292, 48.1742,
33.8992

■ 91.0208, 113.3126,
89.3960

■ 25.0152, 33.9648,
22.5394

117.0524,
143.8103, 116.4293

■ 16.2172, 22.8666,
14.0517

147.6267,
179.3409, 148.4274

■ 9.7698, 14.4950,
8.0175

183.1092,
220.2891, 185.8087

■ 5.3077, 8.4658,
4.0182

223.8651,
267.0391, 228.9918

■ 2.4655, 4.3944,
1.6353

270.2599,

■ 0.8779, 1.8965,

319.9753, 278.3953

0.3158

322.6589,
379.4821, 334.4376

0.0000, 0.5463,
0.0000

0.0000, 0.0000,
0.0000

51.1246, 65.8790,
48.5495

51.1246, 65.8790,
48.5495

44.7115, 62.7991,
38.1174

58.7363, 69.5396,
60.8951

39.4313, 60.2623,
29.4989

67.5980, 73.7996,
75.2385

35.2195, 58.2396,
22.5919

77.7640, 78.6873,
91.6644

32.0034, 56.6958,
17.2824

86.4876, 82.8753,
106.0459

■ 29.7010, 55.5915,
13.4425

■ 28.2175, 54.8809,
10.9246

■ 27.4372, 54.5083,
9.5508

■ 27.2198, 54.4041,
9.1824

Harmonies

Analogous

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



56.7608, 65.8790, 38.4964



51.1246, 65.8790, 48.5495



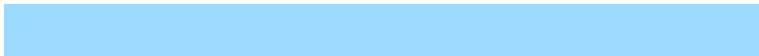
48.6000, 65.8790, 66.6958

Triad

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



51.1246, 65.8790, 48.5495



60.8322, 65.8790, 124.7253



77.7745, 65.8790, 55.7671

Complementary

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



51.1246, 65.8790, 48.5495



59.3316, 50.3558, 77.8294

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.



79.0968, 65.8790, 77.0136



51.1246, 65.8790, 48.5495



68.8607, 65.8790, 120.0719

Square

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



51.1246, 65.8790, 48.5495



53.8888, 65.8790, 112.9461



75.7120, 65.8790, 101.3188



72.2379, 65.8790, 42.0042

Rectangle

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



51.1246, 65.8790, 48.5495



48.8551, 65.8790, 82.2650



75.7120, 65.8790, 101.3188



78.7449, 65.8790, 62.1370

Sweetspot

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



51.1263, 65.8818, 48.5510



86.0899, 95.6922, 94.4135



65.5270, 73.3166, 48.7287



18.2699, 20.4067, 19.9546



0.0000, 0.0000, 0.0000



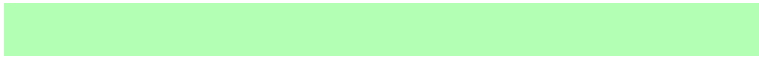
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1263, 65.8818, 48.5510



62.4597, 84.3341, 56.0953



54.0769, 67.0620, 64.0882



13.5387, 15.3412, 14.6059



15.5328, 31.0380, 5.2626



1.0802, 2.1528, 0.3835

Inverse Universe

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



59.3316, 50.3558, 77.8294



75.0907, 60.4324, 101.1648



55.8265, 48.9538, 59.3718



14.2839, 13.9312, 17.2652



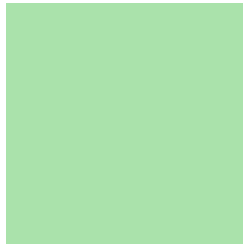
25.4172, 12.2339, 40.4582



1.7652, 0.8494, 2.8224

Previews

White Background



This preview shows how the XYZ color 51.1246, 65.8790, 48.5495 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 51.1246, 65.8790, 48.5495 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

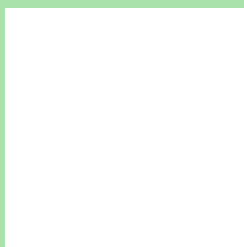
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1246, 65.8790, 48.5495

Background



This preview shows how black text looks on a background with the XYZ color 51.1246, 65.8790, 48.5495.

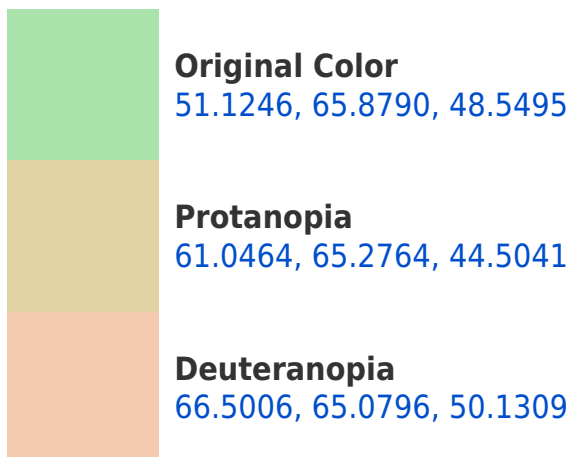


This preview shows how white text looks on a background with the XYZ color 51.1246, 65.8790,

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





Tritanopia

59.1229, 65.9647, 88.2136

Trichromacy



Original Color

51.1246, 65.8790, 48.5495



Protanomaly

56.7078, 64.8809, 46.0937



Deuteranomaly

59.5495, 64.3962, 49.3355



Tritanomaly

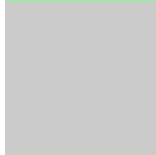
55.8716, 65.8135, 72.0459

Monochromacy



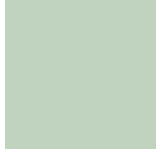
Original Color

51.1246, 65.8790, 48.5495



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

54.1841, 61.4265, 58.2909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1246, 65.8790, 48.5495 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(170, 226, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 226, 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(170, 226, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 226, 171) }
```

Border

The CSS property to change the border of an element to XYZ 51.1246, 65.8790, 48.5495 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(170, 226, 171) }
```


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

```
.border{ border-color:rgb(170, 226, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 226, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 226, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 226, 171); box-shadow:4px 4px 4px 4px rgb(170, 226, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1246, 65.8790, 48.5495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 226, 171) }
```

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

```
.background{ background-color: rgb(170,  
226, 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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