

Converting Colors

XYZ(51.1253, 64.9497, 53.6522)

Have a look what the booklet for
XYZ(51.1253, 64.9497, 53.6522)
contains.

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Color

**XYZ(51.1446, 64.9723,
53.5614)**

Conversions

Conversions Part 1

Format	Color
Hex	A8E0B5
RGB	168, 224, 181
RGB Percent	66%, 88%, 71%
CMY	0.3412, 0.1216, 0.2902
CMYK	0.25, 0.00, 0.19, 0.12
HSL	134°, 47%, 77%
HSV	134°, 25%, 88%
XYZ	51.1446, 64.9723, 53.5614
YIQ	202.3540, -19.5730, -25.2450

Conversions

Conversions Part 2

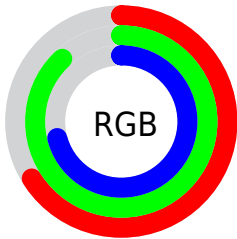
Format	Color
R _{YB}	168, 213, 224
Decimal	11067573
CIE Lab	84.47, -26.37, 15.34
CIE LCh	84, 30.512, 149.811
Yxy	64.9723, 0.3014, 0.3829
Android (android.graphics.Color)	4289257653 (0xFFA8E0B5)
YUV	202.3540, -10.5275, -30.1285
Hunter-Lab	80.6054, -27.8001, 17.0262

Details

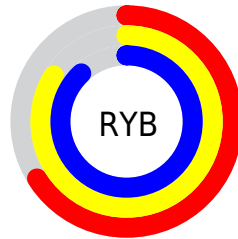
The XYZ color **51.1446, 64.9723, 53.5614** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.5032, 48.5572, 68.0252**, and the grayscale version is **56.4340, 59.3730, 64.6572**.

A 20% lighter version of the original color is **81.7865, 93.4817, 93.8539**, and **25.1545, 33.5793, 25.5777** is the 20% darker color. If you saturate the color by 10%, you get **45.1231, 62.0614, 44.6288**, and if you desaturate by 10%, it is **58.2091, 68.3993, 63.6830**.

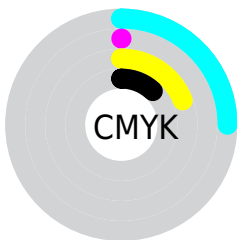
Distribution



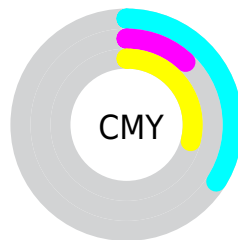
- Red (66%)
- Green (88%)
- Blue (71%)



- Red (66%)
- Yellow (84%)
- Blue (88%)



- Cyan (25%)
- Magenta (0%)
- Yellow (19%)
- Black (12%)





- Cyan (34%)
- Magenta (12%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1446, 64.9723, 53.5614 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 51.1446, 64.9723, 53.5614 by changing the saturation by 10% instead.


 51.1446, 64.9723,
53.5614

 51.1446, 64.9723,
53.5614

381.5037,
442.6924, 417.5625

 36.5452, 47.4386,
37.8603


 91.0502, 112.0100,
96.8799

 25.0276, 33.3825,
25.5733


 117.0871,
142.2829, 125.3343

 16.2265, 22.4197,
16.2818


147.6673,
177.5709, 158.8770

 9.7764, 14.1656,
9.5673

183.1560,
218.2585, 197.9264

 5.3121, 8.2359,
5.0112

223.9186,
264.7300, 242.9012

 2.4681, 4.2463,
2.1950

270.3206,

 0.8792, 1.8123,

317.3699, 294.2197

0.6715

322.7272,
376.5626, 352.3007

■ 0.0000, 0.4948,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.1446, 64.9723,
53.5614

■ 51.1446, 64.9723,
53.5614

■ 45.1231, 62.0614,
44.6288

■ 58.2091, 68.3993,
63.6830

■ 40.0892, 59.6336,
36.8374

■ 66.3578, 72.3574,
75.0307

■ 35.9905, 57.6646,
30.1422

■ 75.6362, 76.8710,
87.6452

■ 32.7674, 56.1247,
24.4938

■ 85.1214, 81.4636,
101.5190

■ 30.3533, 54.9807,
19.8389

■ 85.9469, 81.7938,
105.8656

■ 28.6714, 54.1942,
16.1194

■ 27.6291, 53.7189,
13.2710

■ 27.2767, 53.5617,
12.1496

Harmonies

Analogous

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



55.4896, 64.9723, 43.0123



51.1446, 64.9723, 53.5614



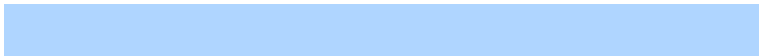
49.5992, 64.9723, 70.6206

Triad

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



51.1446, 64.9723, 53.5614



61.7112, 64.9723, 115.0983



73.7866, 64.9723, 53.7389

Complementary

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



51.1446, 64.9723, 53.5614



56.5032, 48.5572, 68.0252

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.



75.7486, 64.9723, 70.8671



51.1446, 64.9723, 53.5614



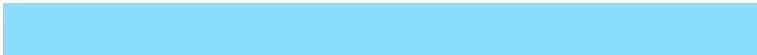
68.4735, 64.9723, 108.3901

Square

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



51.1446, 64.9723, 53.5614



55.4202, 64.9723, 108.2264



73.7381, 64.9723, 91.2563



68.5533, 64.9723, 43.1008

Rectangle

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



51.1446, 64.9723, 53.5614



50.2697, 64.9723, 84.1852



73.7381, 64.9723, 91.2563



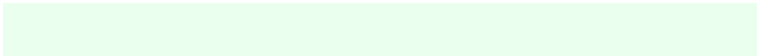
74.8669, 64.9723, 58.8151

Sweetspot

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



51.1463, 64.9750, 53.5628



85.5186, 95.3660, 95.8217



60.8390, 70.1188, 47.3743



17.9443, 20.2372, 20.0097



0.0000, 0.0000, 0.0000



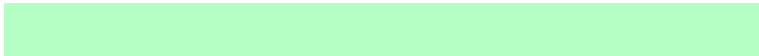
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1463, 64.9750, 53.5628



64.2283, 85.0415, 65.4084



54.2077, 66.1996, 69.6837



13.6585, 15.3891, 15.2369



15.9131, 31.1901, 7.2652



1.1373, 2.1756, 0.6842

Inverse Universe

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



56.5032, 48.5572, 68.0252



72.5814, 59.4287, 87.9513



53.3828, 47.3091, 51.5935



14.1518, 13.8784, 16.5695



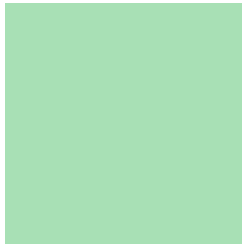
22.2738, 10.9765, 23.9053



1.5774, 0.7742, 1.8333

Previews

White Background



This preview shows how the XYZ color 51.1446, 64.9723, 53.5614 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 51.1446, 64.9723, 53.5614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

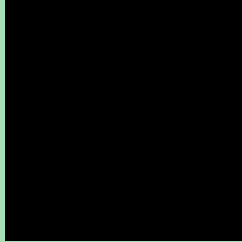
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1446, 64.9723, 53.5614

Background



This preview shows how black text looks on a background with the XYZ color 51.1446, 64.9723, 53.5614.



This preview shows how white text looks on a background with the XYZ color 51.1446, 64.9723,

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

51.1446, 64.9723, 53.5614

Protanopia

60.8108, 64.6788, 49.3236

Deuteranopia

65.5801, 64.1370, 55.3776



Tritanopia

58.0242, 65.0312, 87.3360

Trichromacy



Original Color

51.1446, 64.9723, 53.5614



Protanomaly

56.5934, 64.3318, 51.0295



Deuteranomaly

59.1389, 63.7000, 54.5258



Tritanomaly

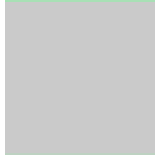
55.3145, 65.0914, 73.9385

Monochromacy



Original Color

51.1446, 64.9723, 53.5614



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 51.1446, 64.9723, 53.5614 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(168, 224, 181)` looks like.

```
.text, #text, p{  
    color:rgb(168, 224, 181)  
}
```

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(168, 224, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 224, 181) }
```

Border

The CSS property to change the border of an element to XYZ 51.1446, 64.9723, 53.5614 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(168, 224, 181) }
```


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

```
.border{ border-color:rgb(168, 224, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 224, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 224, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 224, 181);  
box-shadow:4px 4px 4px 4px rgb(168, 224,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1446, 64.9723, 53.5614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 224, 181) }
```

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

```
.background{ background-color: rgb(168,  
224, 181) }
```

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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