

Converting Colors

XYZ(51.4444, 64.1234, 54.8708)

Have a look what the booklet for
XYZ(51.4444, 64.1234, 54.8708)
contains.

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Color

**XYZ(51.5676, 64.3612,
55.0524)**

Conversions

Conversions Part 1

Format	Color
Hex	ABDEB8
RGB	171, 222, 184
RGB Percent	67%, 87%, 72%
CMY	0.3294, 0.1294, 0.2784
CMYK	0.23, 0.00, 0.17, 0.13
HSL	135°, 44%, 77%
HSV	135°, 23%, 87%
XYZ	51.5676, 64.3612, 55.0524
YIQ	202.4190, -18.1980, -22.6300

Conversions

Conversions Part 2

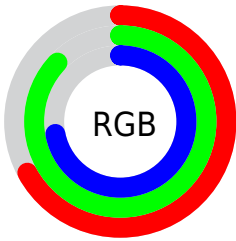
Format	Color
RYB	171, 212, 222
Decimal	11263672
CIELab	84.15, -23.89, 13.35
CIELCh	84, 27.369, 150.813
Yxy	64.3612, 0.3016, 0.3764
Android (android.graphics.Color)	4289453752 (0xFFABDEB8)
YUV	202.4190, -9.0806, -27.5545
Hunter-Lab	80.2254, -25.6576, 15.4717

Details

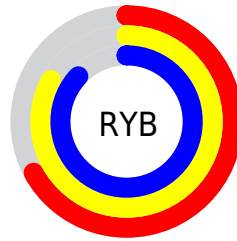
The XYZ color **51.5676, 64.3612, 55.0524** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.1980, 49.2604, 66.8707**, and the grayscale version is **56.4653, 59.4059, 64.6930**.

A 20% lighter version of the original color is **83.1667, 94.1422, 96.2260**, and **25.3867, 33.1277, 26.5290** is the 20% darker color. If you saturate the color by 10%, you get **45.4983, 61.4230, 46.2403**, and if you desaturate by 10%, it is **58.6553, 67.8047, 64.9733**.

Distribution



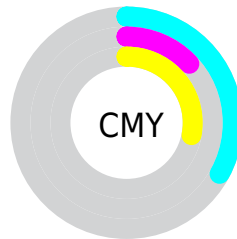
- Red (67%)
- Green (87%)
- Blue (72%)



- Red (67%)
- Yellow (83%)
- Blue (87%)



- Cyan (23%)
- Magenta (0%)
- Yellow (17%)
- Black (13%)





- Cyan (33%)
- Magenta (13%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5676, 64.3612, 55.0524 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 51.5676, 64.3612, 55.0524 by changing the saturation by 10% instead.


 51.5676, 64.3612,
55.0524

 51.5676, 64.3612,
55.0524


383.1165,
440.4928, 423.3981

 36.8834, 46.9433,
39.0448


 91.6712, 111.1310,
99.0896

 25.2905, 32.9908,
26.4865


117.8214,
141.2516, 127.9564

 16.4235, 22.1194,
16.9589


148.5242,
176.3753, 161.9465

 9.9171, 13.9447,
10.0435

184.1452,
216.8863, 201.4787

 5.4058, 8.0822,
5.3219

225.0495,
263.1693, 246.9714

 2.5245, 4.1476,
2.3753

271.6026,

 0.9076, 1.7565,

315.6084, 298.8432

0.7729

324.1698,
374.5881, 357.5125

■ 0.0000, 0.4598,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.5676, 64.3612,
55.0524

■ 51.5676, 64.3612,
55.0524

■ 45.4983, 61.4230,
46.2403

■ 58.6553, 67.8047,
64.9733

■ 40.3948, 58.9582,
38.4944

■ 66.8007, 71.7673,
76.0355

■ 36.2074, 56.9439,
31.7751

■ 76.0470, 76.2726,
88.2753

■ 32.8798, 55.3519,
26.0391

■ 84.6443, 80.4178,
101.6423

■ 30.3493, 54.1510,
21.2399

■ 85.4125, 80.7250,
105.6875

■ 28.5443, 53.3052,
17.3271

■ 27.3792, 52.7716,
14.2453

■ 26.8508, 52.5364,
12.5424

Harmonies

Analogous

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



55.4050, 64.3612, 45.1793



51.5676, 64.3612, 55.0524



50.2616, 64.3612, 70.5522

Triad

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



51.5676, 64.3612, 55.0524



61.3386, 64.3612, 108.9557



71.7199, 64.3612, 54.3582

Complementary

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



51.5676, 64.3612, 55.0524



56.1980, 49.2604, 66.8707

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.



73.5602, 64.3612, 69.6067



51.5676, 64.3612, 55.0524



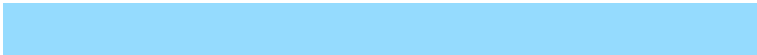
67.3288, 64.3612, 102.7687

Square

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



51.5676, 64.3612, 55.0524



55.6731, 64.3612, 103.3801



71.9036, 64.3612, 87.6164



67.0245, 64.3612, 44.8274

Rectangle

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



51.5676, 64.3612, 55.0524



50.9295, 64.3612, 82.5974



71.9036, 64.3612, 87.6164



72.7063, 64.3612, 58.8930

Sweetspot

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



51.5693, 64.3639, 55.0538



86.7171, 95.9431, 97.7166



59.8397, 68.7778, 48.6504



18.4147, 20.4646, 20.7170



0.0000, 0.0000, 0.0000



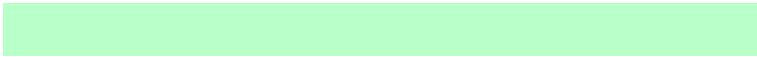
20.3446, 21.4041, 23.3091

Same Dimension

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



51.5693, 64.3639, 55.0538



66.0684, 85.9158, 68.8538



54.4575, 65.5192, 70.2628



13.6714, 15.3943, 15.3049



15.9863, 31.2194, 7.6507



1.1440, 2.1783, 0.7193

Inverse Universe

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



56.1980, 49.2604, 66.8707



73.5545, 61.4778, 87.9579



53.3146, 48.1070, 51.6870



14.1380, 13.8728, 16.4968



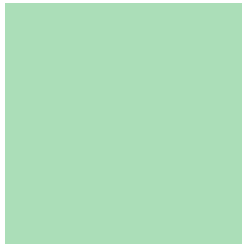
21.9968, 10.8657, 22.4469



1.5602, 0.7674, 1.7430

Previews

White Background



This preview shows how the XYZ color 51.5676, 64.3612, 55.0524 looks on a white background.

Color Contrast Check

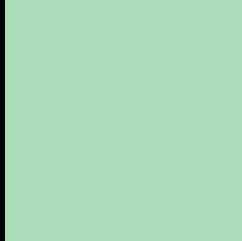
Large Text (above 18pt) WCAG AA × Fail

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 51.5676, 64.3612, 55.0524 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 51.5676, 64.3612, 55.0524

Background



This preview shows how black text looks on a background with the XYZ color 51.5676, 64.3612, 55.0524.

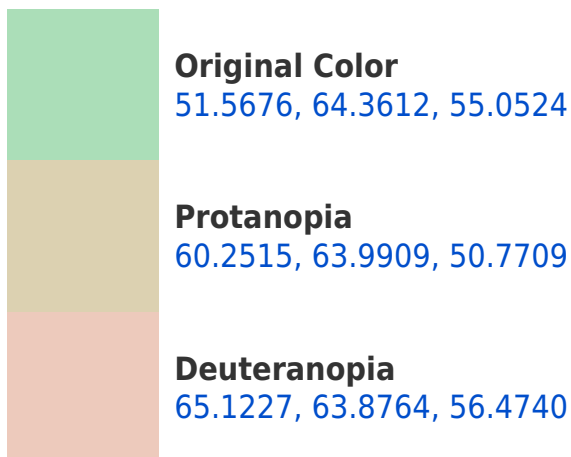


This preview shows how white text looks on a background with the XYZ color 51.5676, 64.3612,

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

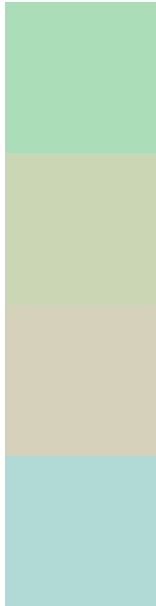




Tritanopia

57.6883, 64.1304, 85.6818

Trichromacy



Original Color

51.5676, 64.3612, 55.0524

Protanomaly

56.6419, 63.9450, 52.5373

Deuteranomaly

59.2107, 63.3349, 56.1178

Tritanomaly

55.4686, 64.3962, 73.7962

Monochromacy



Original Color

51.5676, 64.3612, 55.0524

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

54.1366, 60.6174, 60.4768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5676, 64.3612, 55.0524 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(171, 222, 184)` looks like.

```
.text, #text, p{  
    color:rgb(171, 222, 184)  
}
```

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(171, 222, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 222, 184) }
```

Border

The CSS property to change the border of an element to XYZ 51.5676, 64.3612, 55.0524 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(171, 222, 184) }
```


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

```
.border{ border-color:rgb(171, 222, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 222, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 222, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 222, 184); box-shadow:4px 4px 4px 4px rgb(171, 222, 184) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5676, 64.3612, 55.0524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 222, 184) }
```

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

```
.background{ background-color: rgb(171,  
222, 184) }
```

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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