

Converting Colors

XYZ(51.1659, 62.8041, 58.1405)

Have a look what the booklet for
XYZ(51.1659, 62.8041, 58.1405)
contains.

XYZ(51.2033, 62.9268, 58.1626)	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(51.2033, 62.9268,
58.1626)**

Conversions

Conversions Part 1

Format	Color
Hex	AADBBE
RGB	170, 219, 190
RGB Percent	67%, 86%, 75%
CMY	0.3333, 0.1412, 0.2549
CMYK	0.22, 0.00, 0.13, 0.14
HSL	144°, 41%, 76%
HSV	144°, 22%, 86%
XYZ	51.2033, 62.9268, 58.1626
YIQ	201.0430, -19.8950, -19.4070

Conversions

Conversions Part 2

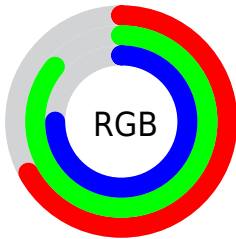
Format	Color
RYB	170, 205, 219
Decimal	11197374
CIELab	83.40, -21.63, 9.11
CIELCh	83, 23.465, 157.159
Yxy	62.9268, 0.2972, 0.3652
Android (android.graphics.Color)	4289387454 (0xFFAADBBE)
YUV	201.0430, -5.4442, -27.2247
Hunter-Lab	79.3264, -23.6038, 12.0567

Details

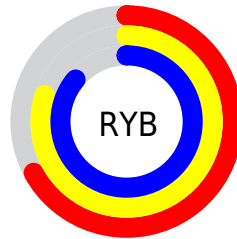
The XYZ color **51.2033, 62.9268, 58.1626** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.8991, 47.9344, 60.4469**, and the grayscale version is **55.5869, 58.4817, 63.6866**.

A 20% lighter version of the original color is **83.7586, 94.3426, 100.9842**, and **25.1269, 32.1390, 28.5460** is the 20% darker color. If you saturate the color by 10%, you get **45.5035, 60.1467, 50.8270**, and if you desaturate by 10%, it is **57.8213, 66.1692, 66.2016**.

Distribution



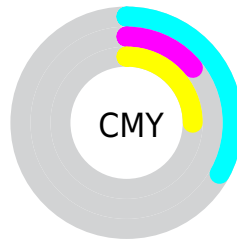
- Red (67%)
- Green (86%)
- Blue (75%)



- Red (67%)
- Yellow (80%)
- Blue (86%)



- Cyan (22%)
- Magenta (0%)
- Yellow (13%)
- Black (14%)



- Cyan (33%)
- Magenta (14%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2033, 62.9268, 58.1626 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 51.2033, 62.9268, 58.1626 by changing the saturation by 10% instead.

■ 51.2033, 62.9268,
58.1626

■ 51.2033, 62.9268,
58.1626

381.7278,
435.3038, 435.4067

■ 36.5921, 45.7820,
41.5238

■ 91.1364, 109.0639,
103.6767

■ 25.0641, 32.0738,
28.4058

117.1891,
138.8250, 133.3891

■ 16.2538, 21.4179,
18.3901

147.7863,
173.5603, 168.2965

■ 9.7959, 13.4298,
11.0581

183.2934,
213.6542, 208.8174

■ 5.3251, 7.7252,
5.9913

224.0757,
259.4911, 255.3703

■ 2.4759, 3.9196,
2.7711

270.4987,

■ 0.8831, 1.6287,

311.4554, 308.3738

0.9790

322.9276,
369.9315, 368.2464

0.0000, 0.3768,
0.0000

0.0000, 0.0000,
0.0000

51.2033, 62.9268,
58.1626

51.2033, 62.9268,
58.1626

45.5035, 60.1467,
50.8270

57.8213, 66.1692,
66.2016

40.6744, 57.7995,
44.1715

65.3916, 69.8859,
74.9581

36.6719, 55.8646,
38.1777

73.9533, 74.0983,
84.4510

33.4459, 54.3167,
32.8247

82.5771, 78.3272,
94.6522

■ 30.9405, 53.1273,
28.0903

■ 84.5924, 79.1333,
105.2643

■ 29.0918, 52.2640,
23.9512

■ 84.6227, 79.1455,
105.4242

■ 27.8235, 51.6879,
20.3821

■ 27.1521, 51.3932,
18.0251

Harmonies

Analogous

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



54.0686, 62.9268, 48.4462



51.2033, 62.9268, 58.1626



50.5802, 62.9268, 72.0841

Triad

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



51.2033, 62.9268, 58.1626



61.0431, 62.9268, 100.4051



67.9883, 62.9268, 52.8845

Complementary

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



51.2033, 62.9268, 58.1626



53.8991, 47.9344, 60.4469

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.



70.0995, 62.9268, 65.0688



51.2033, 62.9268, 58.1626



65.9442, 62.9268, 93.4817

Square

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



51.2033, 62.9268, 58.1626



56.0761, 62.9268, 97.8629



69.3309, 62.9268, 80.0318



63.7061, 62.9268, 45.7155

Rectangle

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



51.2033, 62.9268, 58.1626



51.4860, 62.9268, 82.1823



69.3309, 62.9268, 80.0318



68.9862, 62.9268, 56.4565

Sweetspot

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



51.2050, 62.9294, 58.1640



87.1305, 96.1085, 99.8935



56.2489, 65.7651, 47.7602



18.5103, 20.5028, 21.2202



0.0000, 0.0000, 0.0000



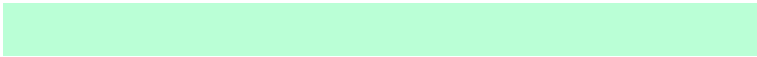
20.3446, 21.4041, 23.3091

Same Dimension

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



51.2050, 62.9294, 58.1640



68.2158, 86.8458, 76.9539



54.0615, 64.0720, 73.2060



13.1057, 14.6939, 15.0197



16.1504, 30.4928, 10.9575



1.0884, 1.9923, 0.9314

Inverse Universe

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



53.8991, 47.9344, 60.4469



72.6817, 61.9815, 80.7331



51.3180, 46.9020, 46.8551



13.3778, 13.1802, 15.2507



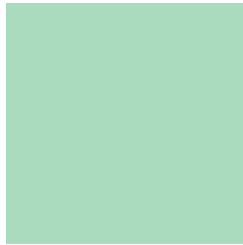
19.7517, 9.9017, 13.6044



1.3220, 0.6584, 1.1044

Previews

White Background



This preview shows how the XYZ color 51.2033, 62.9268, 58.1626 looks on a white background.

Color Contrast Check

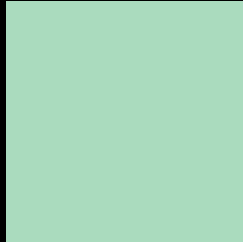
Large Text (above 18pt) WCAG AA × Fail

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 51.2033, 62.9268, 58.1626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

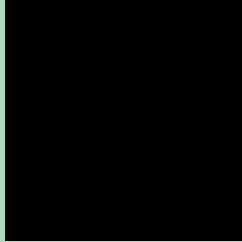
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

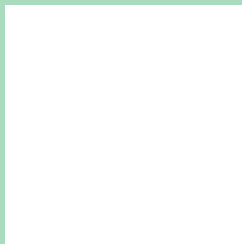
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.2033, 62.9268, 58.1626

Background



This preview shows how black text looks on a background with the XYZ color 51.2033, 62.9268, 58.1626.



This preview shows how white text looks on a background with the XYZ color 51.2033, 62.9268,

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
51.2033, 62.9268, 58.1626
Protanopia
59.2835, 62.6853, 54.3223
Deuteranopia
63.6706, 62.3594, 59.7197



Tritanopia

56.4373, 62.7666, 84.0035

Trichromacy



Original Color

51.2033, 62.9268, 58.1626

Protanomaly

55.7104, 62.2758, 55.5386

Deuteranomaly

58.2330, 62.0312, 59.3561

Tritanomaly

54.2454, 62.6211, 73.5180

Monochromacy



Original Color

51.2033, 62.9268, 58.1626

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.8691, 60.0901, 61.5827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2033, 62.9268, 58.1626 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, 219, 190)` looks like.

```
.text, #text, p{  
    color:rgb(170, 219, 190)  
}
```

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, 219, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 219, 190) }
```

Border

The CSS property to change the border of an element to XYZ 51.2033, 62.9268, 58.1626 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, 219, 190) }
```


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

```
.border{ border-color:rgb(170, 219, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 219, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 219, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 219, 190);  
box-shadow:4px 4px 4px 4px rgb(170, 219,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2033, 62.9268, 58.1626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 219, 190) }
```

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

```
.background{ background-color: rgb(170,  
219, 190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor