

Converting Colors

XYZ(47.0213, 55.2559, 55.3377)

Have a look what the booklet for
XYZ(47.0213, 55.2559, 55.3377)
contains.

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Color

**XYZ(46.9247, 55.2086,
55.1968)**

Conversions

Conversions Part 1

Format	Color
Hex	A9CCBB
RGB	169, 204, 187
RGB Percent	66%, 80%, 73%
CMY	0.3372, 0.2000, 0.2667
CMYK	0.17, 0.00, 0.08, 0.20
HSL	151°, 26%, 73%
HSV	151°, 17%, 80%
XYZ	46.9247, 55.2086, 55.1968
YIQ	191.5970, -15.4030, -12.7070

Conversions

Conversions Part 2

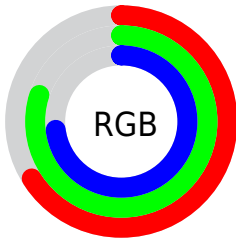
Format	Color
R_{YB}	169, 192, 204
Decimal	11127995
CIE _{Lab}	79.16, -15.00, 4.60
CIE _{LCh}	79, 15.691, 162.951
Yxy	55.2086, 0.2983, 0.3509
Android (android.graphics.Color)	4289318075 (0xFFA9CCBB)
YUV	191.5970, -2.2663, -19.8176
Hunter-Lab	74.3025, -17.3002, 7.9672

Details

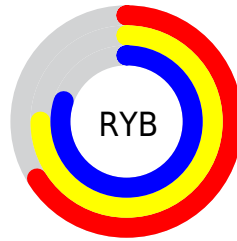
The XYZ color **46.9247, 55.2086, 55.1968** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.9547, 44.7599, 52.5690**, and the grayscale version is **49.8885, 52.4866, 57.1579**.

A 20% lighter version of the original color is **82.9890, 93.9986, 98.5636**, and **22.4119, 27.2469, 26.6322** is the 20% darker color. If you saturate the color by 10%, you get **41.8607, 52.7179, 49.6122**, and if you desaturate by 10%, it is **52.7479, 58.0853, 61.2014**.

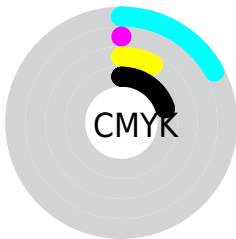
Distribution



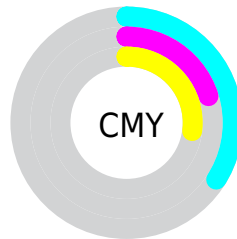
- Red (66%)
- Green (80%)
- Blue (73%)



- Red (66%)
- Yellow (75%)
- Blue (80%)



- Cyan (17%)
- Magenta (0%)
- Yellow (8%)
- Black (20%)




- Cyan (34%)
- Magenta (20%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9247, 55.2086, 55.1968 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 46.9247, 55.2086, 55.1968 by changing the saturation by 10% instead.

 46.9247, 55.2086,
55.1968

 46.9247, 55.2086,
55.1968

365.1678,
406.7022, 423.9605

 33.1838, 39.5688,
39.1596


 84.8206, 97.8465,
99.3033

 22.4272, 27.2025,
26.5752

 109.7064,
125.6134, 128.2097

 14.2895, 17.7253,
17.0248


139.0379,
158.1914, 162.2429

 8.4053, 10.7530,
10.0900

173.1804,
195.9649, 201.8215

 4.4094, 5.9010,
5.3523

212.4993,
239.3184, 247.3640

 1.9362, 2.7850,
2.3931

257.3599,

 0.5978, 1.0205,

288.6361, 299.2890

0.7827

308.1276,
344.3026, 358.0150

■ 0.0000, 0.0000,
0.0000

■ 46.9247, 55.2086,
55.1968

■ 46.9247, 55.2086,
55.1968

■ 41.8607, 52.7179,
49.6122

■ 52.7479, 58.0853,
61.2014

■ 37.5181, 50.5893,
44.4348

■ 59.3566, 61.3567,
67.6313

■ 33.8631, 48.8071,
39.6563

■ 66.7816, 65.0401,
74.4963

■ 30.8568, 47.3513,
35.2666

■ 75.0503, 69.1497,
81.8046

■ 28.4565, 46.2002,
31.2553

■ 78.0543, 70.5359,
89.2774

■ 26.6141, 45.3292,
27.6115

■ 79.5391, 71.1299,
97.0964

■ 25.2733, 44.7093,
24.3233

■ 80.8839, 71.6678,
104.1780

■ 24.3586, 44.3020,
21.3777

■ 24.1389, 44.2058,
20.6000

Harmonies

Analogous

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



48.4769, 55.2086, 48.3524



46.9247, 55.2086, 55.1968



46.8213, 55.2086, 64.0616

Triad

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



46.9247, 55.2086, 55.1968



53.8354, 55.2086, 78.5359



57.0064, 55.2086, 49.1104

Complementary

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



46.9247, 55.2086, 55.1968



47.9547, 44.7599, 52.5690

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.



58.5645, 55.2086, 56.3296



46.9247, 55.2086, 55.1968



56.6853, 55.2086, 73.6404

Square

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



46.9247, 55.2086, 55.1968



50.7283, 55.2086, 78.1552



58.4447, 55.2086, 65.3123



54.2596, 55.2086, 45.0856

Rectangle

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



46.9247, 55.2086, 55.1968



47.5813, 55.2086, 69.9902



58.4447, 55.2086, 65.3123



57.6914, 55.2086, 51.2113

Sweetspot

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



46.9262, 55.2109, 55.1980



89.5325, 97.2690, 103.5204



49.1276, 56.5546, 45.8638



19.0035, 20.7403, 21.9989



0.0000, 0.0000, 0.0000



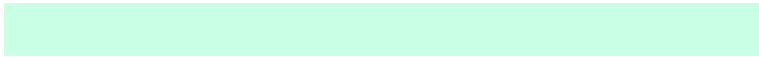
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9262, 55.2109, 55.1980



74.1097, 89.6564, 87.5191



48.8560, 55.9828, 65.3602



11.3048, 12.6317, 13.1627



15.2399, 27.8413, 13.2141



0.8245, 1.4516, 0.8832

Inverse Universe

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



47.9547, 44.7599, 52.5690



76.1608, 68.8150, 82.2766



46.2529, 44.0792, 43.6073



11.4356, 11.3030, 12.8284



17.1406, 8.6668, 8.4589



0.9226, 0.4624, 0.6381

Previews

White Background



This preview shows how the XYZ color 46.9247, 55.2086, 55.1968 looks on a white background.

Color Contrast Check

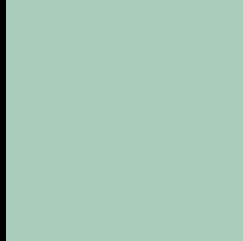
Large Text (above 18pt) WCAG AA × Fail

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 46.9247, 55.2086, 55.1968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

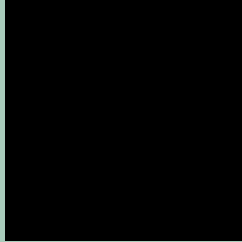
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9247, 55.2086, 55.1968

Background



This preview shows how black text looks on a background with the XYZ color 46.9247, 55.2086, 55.1968.



This preview shows how white text looks on a background with the XYZ color 46.9247, 55.2086,

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

46.9247, 55.2086, 55.1968

Protanopia

52.3157, 54.9642, 52.1078

Deuteranopia

56.1071, 54.8646, 56.3480



Tritanopia

50.5045, 55.2651, 72.9711

Trichromacy



Original Color

46.9247, 55.2086, 55.1968

Protanomaly

50.0810, 54.7960, 53.2845

Deuteranomaly

52.2965, 54.5371, 55.9145

Tritanomaly

48.9193, 54.9517, 65.7860

Monochromacy



Original Color

46.9247, 55.2086, 55.1968

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.8014, 53.3879, 56.4480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9247, 55.2086, 55.1968 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(169, 204, 187)` looks like.

```
.text, #text, p{  
    color:rgb(169, 204, 187)  
}
```

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(169, 204, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 204, 187) }
```

Border

The CSS property to change the border of an element to XYZ 46.9247, 55.2086, 55.1968 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(169, 204, 187) }
```


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

```
.border{ border-color:rgb(169, 204, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 204, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 204, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 204, 187);  
box-shadow:4px 4px 4px 4px rgb(169, 204,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9247, 55.2086, 55.1968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 204, 187) }
```

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

```
.background{ background-color: rgb(169,  
204, 187) }
```

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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