

Converting Colors

XYZ(46.9379, 55.2940, 56.3346)

Have a look what the booklet for
XYZ(46.9379, 55.2940, 56.3346)
contains.

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Color

**XYZ(46.9266, 55.1847,
56.3225)**

Conversions

Conversions Part 1

Format	Color
Hex	A8CCBD
RGB	168, 204, 189
RGB Percent	66%, 80%, 74%
CMY	0.3412, 0.2000, 0.2588
CMYK	0.18, 0.00, 0.07, 0.20
HSL	155°, 26%, 73%
HSV	155°, 18%, 80%
XYZ	46.9266, 55.1847, 56.3225
YIQ	191.5260, -16.6410, -12.2970

Conversions

Conversions Part 2

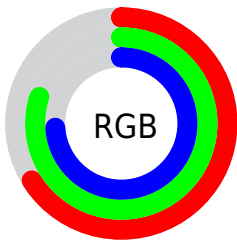
Format	Color
R _{YB}	168, 191, 204
Decimal	11062461
CIE _{Lab}	79.15, -14.94, 3.50
CIE _{LCh}	79, 15.341, 166.813
Y _{xy}	55.1847, 0.2962, 0.3483
Android (android.graphics.Color)	4289252541 (0xFFA8CCBD)
YUV	191.5260, -1.2453, -20.6323
Hunter-Lab	74.2864, -17.2431, 7.0480

Details

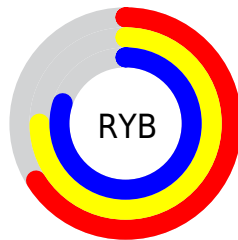
The XYZ color **46.9266, 55.1847, 56.3225** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.4537, 44.2629, 50.8447**, and the grayscale version is **49.8419, 52.4376, 57.1045**.

A 20% lighter version of the original color is **82.9819, 93.9599, 100.1487**, and **22.4205, 27.2351, 27.3678** is the 20% darker color. If you saturate the color by 10%, you get **42.0239, 52.7623, 51.4170**, and if you desaturate by 10%, it is **52.5679, 57.9846, 61.5473**.

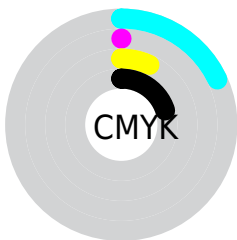
Distribution



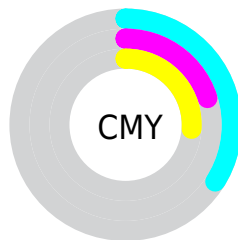
- Red (66%)
- Green (80%)
- Blue (74%)



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



- Cyan (18%)
- Magenta (0%)
- Yellow (7%)
- Black (20%)





- Cyan (34%)
- Magenta (20%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9266, 55.1847, 56.3225 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 46.9266, 55.1847, 56.3225 by changing the saturation by 10% instead.


 46.9266, 55.1847,
56.3225


 46.9266, 55.1847,
56.3225


365.1753,
406.6117, 428.3282

 33.1853, 39.5496,
40.0558


 84.8235, 97.8115,
100.9664

 22.4284, 27.1876,
27.2680


 109.7098,
125.5720, 130.1808

 14.2904, 17.7141,
17.5404

139.0418,
158.1432, 164.5481

 8.4059, 10.7449,
10.4545

173.1849,
195.9093, 204.4869

 4.4098, 5.8956,
5.5918

212.5045,
239.2548, 250.4158

 1.9365, 2.7817,
2.5338

257.3658,

 0.5979, 1.0189,

288.5641, 302.7533

0.8580

308.1343,
344.2216, 361.9179

■ 0.0000, 0.0000,
0.0000

■ 46.9266, 55.1847,
56.3225

■ 46.9266, 55.1847,
56.3225

■ 42.0239, 52.7623,
51.4170

■ 52.5679, 57.9846,
61.5473

■ 37.8225, 50.6938,
46.8207

■ 58.9736, 61.1707,
67.0938

■ 34.2889, 48.9635,
42.5284

■ 66.1740, 64.7601,
72.9692

■ 31.3847, 47.5517,
38.5332

■ 74.1963, 68.7666,
79.1791

■ 29.0676, 46.4368,
34.8279

■ 77.3295, 70.2461,
85.4606

■ 27.2897, 45.5942,
31.4049

■ 78.5633, 70.7396,
91.9580

■ 25.9951, 44.9952,
28.2561

■ 79.8564, 71.2568,
98.7671

■ 25.1047, 44.5991,
25.3720

■ 80.8839, 71.6678,
104.1780

■ 24.9233, 44.5196,
24.7300

Harmonies

Analogous

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



48.2756, 55.1847, 49.2723



46.9266, 55.1847, 56.3225



47.0162, 55.1847, 65.0959

Triad

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



46.9266, 55.1847, 56.3225



54.1725, 55.1847, 77.7115



56.5838, 55.1847, 48.6145

Complementary

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



46.9266, 55.1847, 56.3225



47.4537, 44.2629, 50.8447

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.



58.2902, 55.1847, 55.3414



46.9266, 55.1847, 56.3225



56.8613, 55.1847, 72.3780

Square

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



46.9266, 55.1847, 56.3225



51.1200, 55.1847, 78.0397



58.3937, 55.1847, 64.0151



53.8057, 55.1847, 45.1227

Rectangle

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



46.9266, 55.1847, 56.3225



47.8787, 55.1847, 70.7646



58.3937, 55.1847, 64.0151



57.3064, 55.1847, 50.5410

Sweetspot

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



46.9281, 55.1870, 56.3237



89.6701, 97.3240, 104.2446



48.3341, 56.1564, 45.3383



19.0369, 20.7537, 22.1750



0.0000, 0.0000, 0.0000



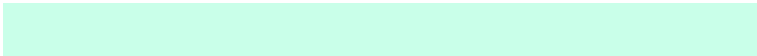
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9281, 55.1870, 56.3237



74.6316, 89.8652, 90.2672



48.0762, 54.7404, 65.1616



11.3378, 12.6449, 13.3365



15.7336, 28.0387, 15.8139



0.8490, 1.4614, 1.0122

Inverse Universe

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



47.4537, 44.2629, 50.8447



75.6544, 68.6125, 79.6102



46.4212, 44.5655, 43.2019



11.4030, 11.2899, 12.6567



16.7499, 8.5105, 6.4016



0.9017, 0.4541, 0.5280

Previews

White Background



This preview shows how the XYZ color 46.9266, 55.1847, 56.3225 looks on a white background.

Color Contrast Check

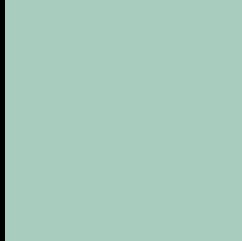
Large Text (above 18pt) WCAG AA × Fail

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 46.9266, 55.1847, 56.3225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

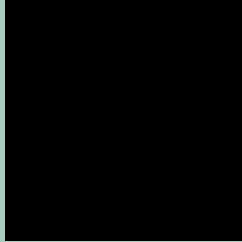
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9266, 55.1847, 56.3225

Background



This preview shows how black text looks on a background with the XYZ color 46.9266, 55.1847, 56.3225.

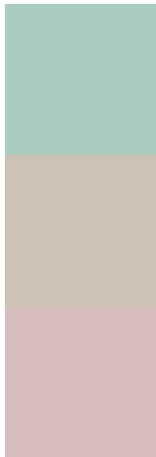


This preview shows how white text looks on a background with the XYZ color 46.9266, 55.1847,

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

46.9266, 55.1847, 56.3225

Protanopia

52.5240, 55.0475, 53.2043

Deuteranopia

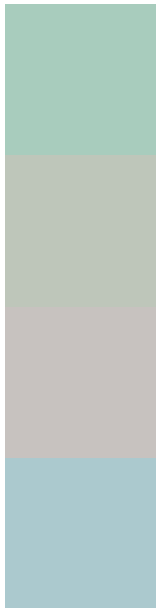
56.0309, 54.7999, 57.4935



Tritanopia

50.2825, 55.1507, 72.9607

Trichromacy



Original Color

46.9266, 55.1847, 56.3225

Protanomaly

50.2922, 54.8805, 54.3967

Deuteranomaly

52.2489, 54.4873, 57.0535

Tritanomaly

48.8218, 54.8874, 66.4137

Monochromacy



Original Color

46.9266, 55.1847, 56.3225

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.6723, 53.3087, 57.0145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9266, 55.1847, 56.3225 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, 204, 189)` looks like.

```
.text, #text, p{  
    color:rgb(168, 204, 189)  
}
```

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, 204, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 204, 189) }
```

Border

The CSS property to change the border of an element to XYZ 46.9266, 55.1847, 56.3225 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, 204, 189) }
```


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

```
.border{ border-color:rgb(168, 204, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 204, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 204, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 204, 189);  
box-shadow:4px 4px 4px 4px rgb(168, 204,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9266, 55.1847, 56.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 204, 189) }
```

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

```
.background{ background-color: rgb(168,  
204, 189) }
```

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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