

Converting Colors

XYZ(49.5615, 62.2696, 67.1647)

Have a look what the booklet for
XYZ(49.5615, 62.2696, 67.1647)
contains.

XYZ(49.5615, 62.2696, 67.1647)	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(49.5615, 62.2696,
67.1647)**

Conversions

Conversions Part 1

Format	Color
Hex	98DCCD
RGB	152, 220, 205
RGB Percent	60%, 86%, 80%
CMY	0.4039, 0.1372, 0.1961
CMYK	0.31, 0.00, 0.07, 0.14
HSL	167°, 49%, 73%
HSV	167°, 31%, 86%
XYZ	49.5615, 62.2696, 67.1647
YIQ	197.9580, -35.7130, -19.0810

Conversions

Conversions Part 2

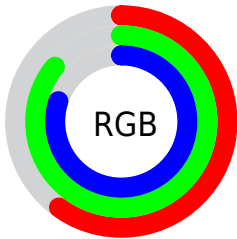
Format	Color
RYB	152, 190, 220
Decimal	10017997
CIELab	83.06, -24.52, 0.54
CIELCh	83, 24.530, 178.748
Yxy	62.2696, 0.2769, 0.3479
Android (android.graphics.Color)	4288208077 (0xFF98DCCD)
YUV	197.9580, 3.4717, -40.3052
Hunter-Lab	78.9111, -25.9843, 4.7734

Details

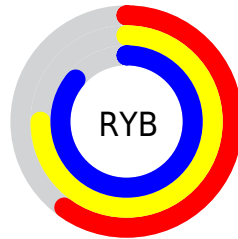
The XYZ color **49.5615, 62.2696, 67.1647** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.7206, 40.4637, 41.8567**, and the grayscale version is **53.6475, 56.4413, 61.4646**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **24.0781, 31.7413, 34.1358** is the 20% darker color. If you saturate the color by 10%, you get **45.2431, 60.1117, 63.9524**, and if you desaturate by 10%, it is **54.6653, 64.8336, 70.5113**.

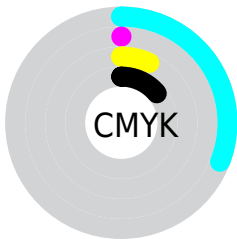
Distribution



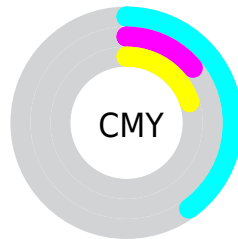
- Red (60%)
- Green (86%)
- Blue (80%)



- Red (60%)
- Yellow (75%)
- Blue (86%)



- Cyan (31%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)





- Cyan (40%)
- Magenta (14%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5615, 62.2696, 67.1647 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 49.5615, 62.2696, 67.1647 by changing the saturation by 10% instead.


 49.5615, 62.2696,
67.1647


 49.5615, 62.2696,
67.1647

375.4290,
432.9138, 469.0482

 35.2815, 45.2506,
48.7560


 88.7206, 108.1151,
116.7993

 24.0473, 31.6548,
34.0618

 114.3303,
137.7103, 148.8623

 15.4936, 21.0980,
22.6633


144.4473,
172.2664, 186.3138

 9.2551, 13.1957,
14.1421

179.4370,
212.1678, 229.5724

 4.9664, 7.5634,
8.0797

219.6646,
257.7989, 279.0566

 2.2621, 3.8169,
4.0575

265.4956,

 0.7752, 1.5717,

309.5439, 335.1849

1.6569

317.2953,
367.7875, 398.3760

■ 0.0000, 0.3384,
0.3310

■ 0.0000, 0.0000,
0.0000

■ 49.5615, 62.2696,
67.1647

■ 49.5615, 62.2696,
67.1647

■ 45.2431, 60.1117,
63.9524

■ 54.6653, 64.8336,
70.5113

■ 41.6625, 58.3303,
60.8674

■ 60.5885, 67.8162,
73.9907

■ 38.7747, 56.9041,
57.9079

■ 67.3692, 71.2388,
77.6067

■ 36.5277, 55.8063,
55.0708

■ 75.0420, 75.1191,
81.3619

■ 34.8623, 55.0061,
52.3524

■ 81.0150, 78.1209,
85.1357

■ 33.7073, 54.4672,
49.7483

■ 81.7035, 78.3963,
88.7612

■ 32.9896, 54.1468,
47.4745

■ 82.4110, 78.6793,
92.4873

■ 83.1379, 78.9701,
96.3148

■ 83.8842, 79.2686,
100.2446

Harmonies

Analogous

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



50.8860, 62.2696, 53.7458



49.5615, 62.2696, 67.1647



50.6848, 62.2696, 82.8450

Triad

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



49.5615, 62.2696, 67.1647



64.2284, 62.2696, 96.7755



64.6369, 62.2696, 45.7668

Complementary

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



49.5615, 62.2696, 67.1647



47.7206, 40.4637, 41.8567

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.



68.5870, 62.2696, 54.6983



49.5615, 62.2696, 67.1647



68.3414, 62.2696, 84.1150

Square

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



49.5615, 62.2696, 67.1647



58.9628, 62.2696, 101.4034



69.9808, 62.2696, 68.4413



59.4085, 62.2696, 42.5867

Rectangle

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



49.5615, 62.2696, 67.1647



52.7108, 62.2696, 92.2221



69.9808, 62.2696, 68.4413



66.1696, 62.2696, 48.1234

Sweetspot

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



49.5633, 62.2721, 67.1661



86.3003, 95.5823, 104.2912



47.3826, 61.7662, 39.1314



18.1893, 20.3160, 22.1663



0.0000, 0.0000, 0.0000



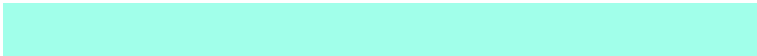
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5633, 62.2721, 67.1661



65.2653, 85.0119, 90.9500



46.9583, 54.0234, 75.6657



13.3155, 14.7778, 16.1243



19.4037, 31.7941, 28.0892



1.2881, 2.0722, 1.9831

Inverse Universe

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



47.7206, 40.4637, 41.8567



62.3121, 49.9829, 50.3304



49.5844, 46.2839, 36.0270



13.1731, 13.0983, 14.1726



17.6762, 9.0715, 2.6748



1.1777, 0.6007, 0.3447

Previews

White Background



This preview shows how the XYZ color 49.5615, 62.2696, 67.1647 looks on a white background.

Color Contrast Check

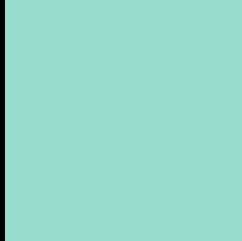
Large Text (above 18pt) WCAG AA × Fail

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 49.5615, 62.2696, 67.1647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

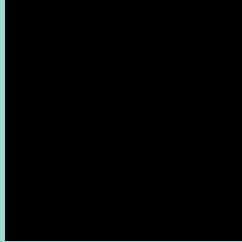
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

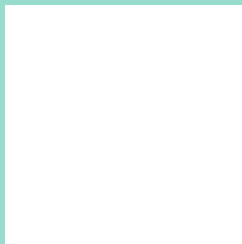
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5615, 62.2696, 67.1647

Background



This preview shows how black text looks on a background with the XYZ color 49.5615, 62.2696, 67.1647.

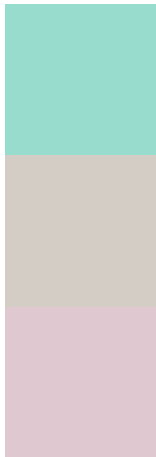


This preview shows how white text looks on a background with the XYZ color 49.5615, 62.2696,

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

49.5615, 62.2696, 67.1647

Protanopia

59.0607, 61.6909, 61.6180

Deuteranopia

62.9034, 61.7593, 68.9270



Tritanopia

53.3644, 62.2640, 86.2964

Trichromacy



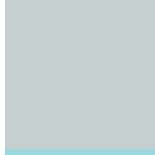
Original Color

49.5615, 62.2696, 67.1647



Protanomaly

54.7071, 61.2105, 63.5750



Deuteranomaly

56.9867, 61.1855, 68.4810



Tritanomaly

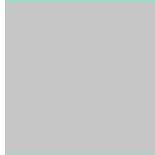
51.8424, 62.0213, 79.0510

Monochromacy



Original Color

49.5615, 62.2696, 67.1647



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.6700, 58.1834, 63.7656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5615, 62.2696, 67.1647 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(152, 220, 205)` looks like.

```
.text, #text, p{  
    color:rgb(152, 220, 205)  
}
```

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(152, 220, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 220, 205) }
```

Border

The CSS property to change the border of an element to XYZ 49.5615, 62.2696, 67.1647 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(152, 220, 205) }
```


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

```
.border{ border-color:rgb(152, 220, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 220, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 220, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 220, 205);  
box-shadow:4px 4px 4px 4px rgb(152, 220,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5615, 62.2696, 67.1647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 220, 205) }
```

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

```
.background{ background-color: rgb(152,  
220, 205) }
```

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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