

Converting Colors

XYZ(49.4425, 57.6487, 66.7951)

Have a look what the booklet for
XYZ(49.4425, 57.6487, 66.7951)
contains.

XYZ(49.4223, 57.6750, 66.9201)	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(49.4223, 57.6750,
66.9201)**

Conversions

Conversions Part 1

Format	Color
Hex	A6D0CE
RGB	166, 208, 206
RGB Percent	65%, 82%, 81%
CMY	0.3490, 0.1843, 0.1922
CMYK	0.20, 0.00, 0.01, 0.18
HSL	177°, 31%, 73%
HSV	177°, 20%, 82%
XYZ	49.4223, 57.6750, 66.9201
YIQ	195.2140, -24.3900, -9.5260

Conversions

Conversions Part 2

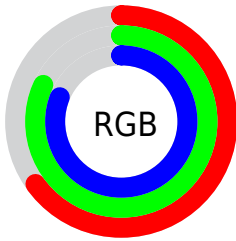
Format	Color
RYB	166, 188, 208
Decimal	10932430
CIELab	80.56, -14.13, -3.57
CIElCh	81, 14.573, 194.161
Yxy	57.6750, 0.2840, 0.3314
Android (android.graphics.Color)	4289122510 (0xFFA6D0CE)
YUV	195.2140, 5.3175, -25.6207
Hunter-Lab	75.9441, -16.7392, 0.9159

Details

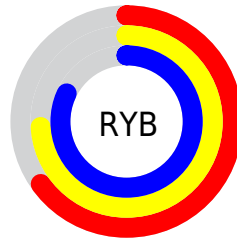
The XYZ color **49.4223, 57.6750, 66.9201** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.7185, 43.5110, 42.9842**, and the grayscale version is **51.9803, 54.6874, 59.5545**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **24.0331, 28.8889, 34.0152** is the 20% darker color. If you saturate the color by 10%, you get **45.2901, 55.5602, 66.1009**, and if you desaturate by 10%, it is **54.2638, 60.1584, 67.7790**.

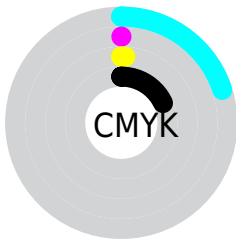
Distribution



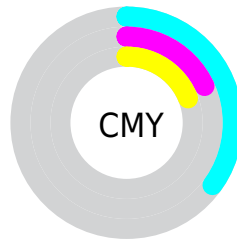
- Red (65%)
- Green (82%)
- Blue (81%)



- Red (65%)
- Yellow (74%)
- Blue (82%)



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)





- Cyan (35%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4223, 57.6750, 66.9201 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 49.4223, 57.6750, 66.9201 by changing the saturation by 10% instead.


 49.4223, 57.6750,
66.9201


 49.4223, 57.6750,
66.9201


374.8919,
415.9738, 468.1541

 35.1705, 41.5474,
48.5585


 88.5153, 101.4494,
116.4455

 23.9614, 28.7471,
33.9063

 114.0872,
129.8651, 148.4463

 15.4296, 18.8896,
22.5448


144.1632,
163.1455, 185.8307

 9.2097, 11.5905,
14.0556

179.1086,
201.6752, 229.0171

 4.9364, 6.4655,
8.0202

219.2889,
245.8385, 278.4241

 2.2444, 3.1301,
4.0199

265.0693,

 0.7660, 1.2001,

296.0197, 334.4703

1.6363

316.8151,
352.6034, 397.5741

■ 0.0000, 0.0617,
0.3165

■ 0.0000, 0.0000,
0.0000

■ 49.4223, 57.6750,
66.9201

■ 49.4223, 57.6750,
66.9201

■ 45.2901, 55.5602,
66.1009

■ 54.2638, 60.1584,
67.7790

■ 41.8284, 53.7894,
65.3157

■ 59.8411, 63.0196,
68.6750

■ 39.0022, 52.3461,
64.5643

■ 66.1857, 66.2762,
69.6109

■ 36.7713, 51.2097,
63.8447

■ 73.3254, 69.9426,
70.5881

■ 35.0911, 50.3570,
63.1548

■ 75.5499, 71.0751,
71.3392

■ 33.9106, 49.7619,
62.4922

■ 75.6746, 71.1249,
71.9960

■ 33.1692, 49.3931,
61.8541

■ 75.8001, 71.1751,
72.6569

■ 32.7599, 49.1951,
61.2470

■ 75.9264, 71.2257,
73.3219

■ 76.0534, 71.2765,
73.9909

Harmonies

Analogous

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



49.4630, 57.6750, 58.4039



49.4223, 57.6750, 66.9201



50.7902, 57.6750, 75.0028

Triad

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



49.4223, 57.6750, 66.9201



58.9288, 57.6750, 75.3877



56.4051, 57.6750, 48.2312

Complementary

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



49.4223, 57.6750, 66.9201



46.7185, 43.5110, 42.9842

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.



59.0540, 57.6750, 51.9952



49.4223, 57.6750, 66.9201



60.5469, 57.6750, 67.4078

Square

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



49.4223, 57.6750, 66.9201



56.2393, 57.6750, 80.1846



60.5935, 57.6750, 58.8493



53.4216, 57.6750, 48.1265

Rectangle

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



49.4223, 57.6750, 66.9201



52.3467, 57.6750, 78.8415



60.5935, 57.6750, 58.8493



57.3666, 57.6750, 49.0939

Sweetspot

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



49.4240, 57.6774, 66.9214



89.5262, 97.1659, 108.0295



45.6102, 56.2031, 44.5217



19.0393, 20.7344, 23.1028



0.0000, 0.0000, 0.0000



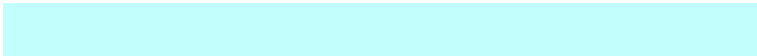
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4240, 57.6774, 66.9214



75.5405, 89.9963, 105.5530



45.3318, 49.1011, 66.7655



12.1330, 13.3970, 15.0568



20.4273, 30.6639, 38.2260



1.1498, 1.7176, 2.1778

Inverse Universe

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



46.7185, 43.5110, 42.9842



70.5331, 63.7729, 61.2461



50.2254, 50.8211, 43.2396



11.8313, 11.8172, 12.3872



16.2564, 8.3754, 0.9903



0.9172, 0.4716, 0.0986

Previews

White Background



This preview shows how the XYZ color 49.4223, 57.6750, 66.9201 looks on a white background.

Color Contrast Check

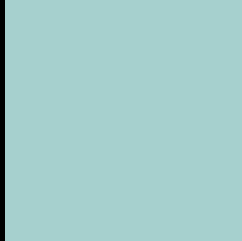
Large Text (above 18pt) WCAG AA × Fail

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 49.4223, 57.6750, 66.9201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

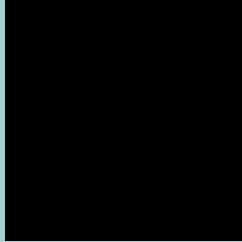
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4223, 57.6750, 66.9201

Background



This preview shows how black text looks on a background with the XYZ color 49.4223, 57.6750, 66.9201.

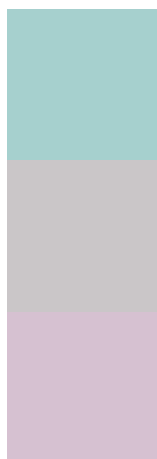


This preview shows how white text looks on a background with the XYZ color 49.4223, 57.6750,

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

49.4223, 57.6750, 66.9201

Protanopia

54.9765, 57.1149, 62.7703

Deuteranopia

58.3101, 57.0395, 68.2581



Tritanopia

51.6183, 57.8516, 77.5531

Trichromacy



Original Color

49.4223, 57.6750, 66.9201

Protanomaly

52.7675, 57.3241, 64.1606

Deuteranomaly

54.6052, 56.8126, 67.7624

Tritanomaly

50.8559, 57.9083, 73.4628

Monochromacy



Original Color

49.4223, 57.6750, 66.9201

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.7302, 55.6224, 62.0953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4223, 57.6750, 66.9201 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(166, 208, 206)` looks like.

```
.text, #text, p{  
    color:rgb(166, 208, 206)  
}
```

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(166, 208, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 208, 206) }
```

Border

The CSS property to change the border of an element to XYZ 49.4223, 57.6750, 66.9201 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(166, 208, 206) }
```


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

```
.border{ border-color:rgb(166, 208, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 208, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 208, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 208, 206); box-shadow:4px 4px 4px 4px rgb(166, 208, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4223, 57.6750, 66.9201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 208, 206) }
```

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

```
.background{ background-color: rgb(166,  
208, 206) }
```

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