

Converting Colors

XYZ(49.3987, 65.8903, 81.8407)

Have a look what the booklet for
XYZ(49.3987, 65.8903, 81.8407)
contains.

XYZ(49.4955, 65.9362, 82.0698)	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(49.4955, 65.9362,
82.0698)**

Conversions

Conversions Part 1

Format	Color
Hex	76E6E2
RGB	118, 230, 226
RGB Percent	46%, 90%, 89%
CMY	0.5372, 0.0980, 0.1137
CMYK	0.49, 0.00, 0.02, 0.10
HSL	178°, 69%, 68%
HSV	178°, 49%, 90%
XYZ	49.4955, 65.9362, 82.0698
YIQ	196.0560, -65.4680, -24.9880

Conversions

Conversions Part 2

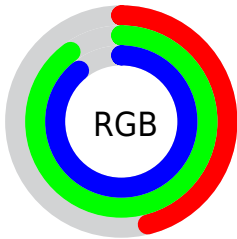
Format	Color
RYB	118, 175, 230
Decimal	7792354
CIELab	84.96, -32.92, -7.94
CIELCh	85, 33.867, 193.556
Yxy	65.9362, 0.2506, 0.3339
Android (android.graphics.Color)	4285982434 (0xFF76E6E2)
YUV	196.0560, 14.7624, -68.4551
Hunter-Lab	81.2011, -33.2987, -3.0835

Details

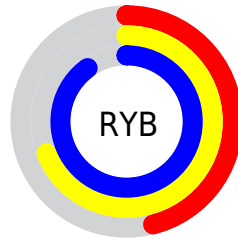
The XYZ color **49.4955, 65.9362, 82.0698** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.6267, 31.1869, 22.1876**, and the grayscale version is **52.4470, 55.1784, 60.0893**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **24.0081, 33.9966, 43.8247** is the 20% darker color. If you saturate the color by 10%, you get **46.6328, 64.4750, 81.3499**, and if you desaturate by 10%, it is **53.1241, 67.7953, 82.8313**.

Distribution



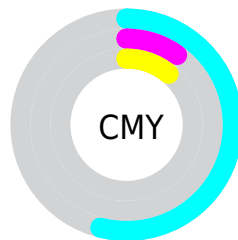
- Red (46%)
- Green (90%)
- Blue (89%)



- Red (46%)
- Yellow (69%)
- Blue (90%)



- Cyan (49%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)




- Cyan (54%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4955, 65.9362, 82.0698 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 49.4955, 65.9362, 82.0698 by changing the saturation by 10% instead.


 49.4955, 65.9362,
82.0698


 49.4955, 65.9362,
82.0698


375.1744,
446.1487, 521.7707


 35.2289, 48.2206,
60.8869


 88.6232, 113.3948,
138.1094

 24.0066, 34.0016,
43.7040


 114.2150,
143.9065, 173.8033

 15.4632, 22.8948,
30.1024


 144.3126,
179.4525, 215.1712

 9.2336, 14.5159,
19.6636

179.2813,
220.4170, 262.6317

 4.9522, 8.4803,
11.9691

219.4865,
267.1845, 316.6034

 2.2537, 4.4038,
6.6003

265.2935,

 0.7708, 1.9019,

320.1393, 377.5048

3.1388

317.0677,
379.6659, 445.7543

■ 0.0000, 0.5495,
1.1659

■ 0.0000, 0.0000,
0.0000

■ 49.4955, 65.9362,
82.0698

■ 49.4955, 65.9362,
82.0698

■ 46.6328, 64.4750,
81.3499

■ 53.1241, 67.7953,
82.8313

■ 44.4738, 63.3749,
80.6643

■ 57.5633, 70.0707,
83.6321

■ 42.9564, 62.6055,
80.0115

■ 62.8614, 72.7888,
84.4759

■ 42.0047, 62.1278,
79.3880

■ 69.0613, 75.9717,
85.3648

■ 41.5058, 61.8833,
78.7885

■ 76.2029, 79.6400,
86.3005

■ 41.4539, 61.8582,
78.7111

■ 83.9523, 83.6215,
87.2676

■ 84.0686, 83.6681,
87.8803

■ 84.1855, 83.7148,
88.4958

■ 84.3029, 83.7618,
89.1143

Harmonies

Analogous

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



49.6588, 65.9362, 60.5725



49.4955, 65.9362, 82.0698



52.6537, 65.9362, 104.7111

Triad

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



49.4955, 65.9362, 82.0698



73.3026, 65.9362, 106.6437



66.9042, 65.9362, 38.6368

Complementary

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



49.4955, 65.9362, 82.0698



42.6267, 31.1869, 22.1876

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.



73.8831, 65.9362, 46.6173



49.4955, 65.9362, 82.0698



77.7768, 65.9362, 84.3207

Square

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



49.4955, 65.9362, 82.0698



66.1628, 65.9362, 120.7197



77.9974, 65.9362, 62.4126



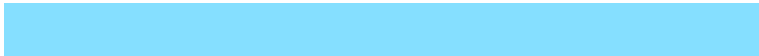
59.3031, 65.9362, 38.2762

Rectangle

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



49.4955, 65.9362, 82.0698



56.3778, 65.9362, 116.2275



77.9974, 65.9362, 62.4126



69.4146, 65.9362, 40.4306

Sweetspot

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



49.4975, 65.9388, 82.0713



82.1317, 93.3657, 107.1508



39.8234, 62.1596, 27.0401



17.2370, 19.8083, 22.8844



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.



49.4975, 65.9388, 82.0713



59.0461, 81.5363, 102.8342



37.9968, 42.0482, 80.9793



14.7840, 16.3270, 18.3935



23.4781, 35.0234, 44.6136



1.7420, 2.5909, 3.3337

Inverse Universe

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



42.6267, 31.1869, 22.1876



49.4543, 32.9747, 19.2001



49.9821, 46.2866, 23.4409



14.3978, 14.3763, 15.0290



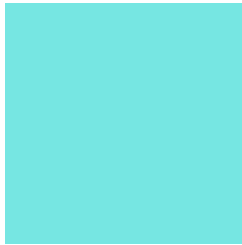
18.5100, 9.5382, 1.0486



1.3752, 0.7078, 0.1165

Previews

White Background



This preview shows how the XYZ color 49.4955, 65.9362, 82.0698 looks on a white background.

Color Contrast Check

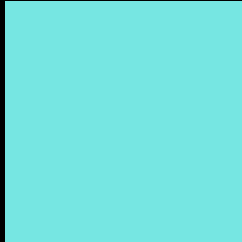
Large Text (above 18pt) WCAG AA × Fail

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 49.4955, 65.9362, 82.0698 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

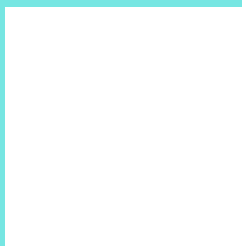
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4955, 65.9362, 82.0698

Background



This preview shows how black text looks on a background with the XYZ color 49.4955, 65.9362, 82.0698.

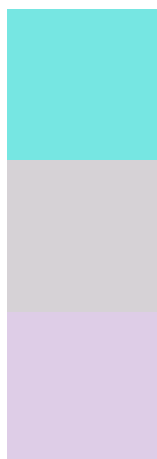


This preview shows how white text looks on a background with the XYZ color 49.4955, 65.9362,

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

49.4955, 65.9362, 82.0698

Protanopia

62.9157, 65.2444, 72.8957

Deuteranopia

66.3793, 64.9618, 84.6416



Tritanopia

52.2627, 65.8158, 96.3354

Trichromacy



Original Color

49.4955, 65.9362, 82.0698



Protanomaly

56.0581, 64.2714, 75.7807



Deuteranomaly

57.9566, 63.9406, 83.4159



Tritanomaly

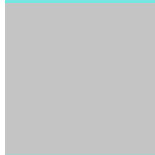
51.2021, 65.7974, 90.8905

Monochromacy



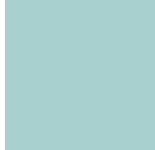
Original Color

49.4955, 65.9362, 82.0698



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.9668, 57.9416, 67.5818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4955, 65.9362, 82.0698 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(118, 230, 226)` looks like.

```
.text, #text, p{  
    color:rgb(118, 230, 226)  
}
```

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(118, 230, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 230, 226) }
```

Border

The CSS property to change the border of an element to XYZ 49.4955, 65.9362, 82.0698 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(118, 230, 226) }
```


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

```
.border{ border-color:rgb(118, 230, 226) }
```

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

Here you see how a box with a 4 pixel rgb(118, 230, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 230, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 230, 226);  
box-shadow:4px 4px 4px 4px rgb(118, 230,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4955, 65.9362, 82.0698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 230, 226) }
```

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

```
.background{ background-color: rgb(118,  
230, 226) }
```

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