

Converting Colors

XYZ(48.9640, 65.8578, 62.3197)

Have a look what the booklet for
XYZ(48.9640, 65.8578, 62.3197)
contains.

XYZ(48.7983, 65.5996, 62.3146)	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(48.7983, 65.5996,
62.3146)**

Conversions

Conversions Part 1

Format	Color
Hex	8CE5C4
RGB	140, 229, 196
RGB Percent	55%, 90%, 77%
CMY	0.4510, 0.1019, 0.2314
CMYK	0.39, 0.00, 0.14, 0.10
HSL	158°, 63%, 72%
HSV	158°, 39%, 90%
XYZ	48.7983, 65.5996, 62.3146
YIQ	198.6270, -42.4510, -29.1310

Conversions

Conversions Part 2

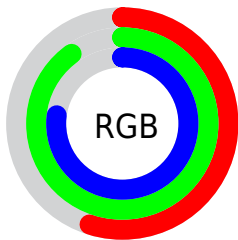
Format	Color
RYB	140, 195, 229
Decimal	9233860
CIELab	84.79, -34.08, 7.73
CIELCh	85, 34.945, 167.223
Yxy	65.5996, 0.2761, 0.3712
Android (android.graphics.Color)	4287423940 (0xFF8CE5C4)
YUV	198.6270, -1.2951, -51.4159
Hunter-Lab	80.9936, -34.1932, 11.0791

Details

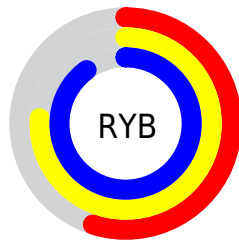
The XYZ color **48.7983, 65.5996, 62.3146** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.2362, 38.4329, 44.3609**, and the grayscale version is **54.0859, 56.9026, 61.9669**.

A 20% lighter version of the original color is **76.5156, 90.4822, 106.3605**, and **23.5724, 33.7714, 30.8673** is the 20% darker color. If you saturate the color by 10%, you get **44.3947, 63.4397, 57.2058**, and if you desaturate by 10%, it is **54.0632, 68.2006, 67.7521**.

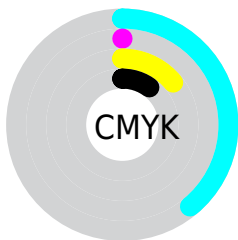
Distribution



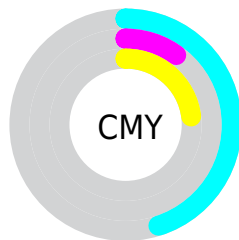
- Red (55%)
- Green (90%)
- Blue (77%)



- Red (55%)
- Yellow (76%)
- Blue (90%)



- Cyan (39%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)





- Cyan (45%)
- Magenta (10%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7983, 65.5996, 62.3146 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 48.7983, 65.5996, 62.3146 by changing the saturation by 10% instead.

 48.7983, 65.5996,
62.3146


 48.7983, 65.5996,
62.3146


372.4779,
444.9435, 451.1170

 34.6734, 47.9474,
44.8495


 87.5943, 112.9115,
109.7561

 23.5767, 33.7853,
30.9968


 112.9962,
143.3399, 140.5696

 15.1430, 22.7287,
20.3380


142.8877,
178.7960, 176.6696

 9.0067, 14.3933,
12.4545

177.6342,
219.6640, 218.4748

 4.8027, 8.3947,
6.9277

217.6012,
266.3284, 266.4035

 2.1655, 4.3485,
3.3392

263.1538,

 0.7245, 1.8704,

319.1735, 320.8745

1.2703

314.6576,
378.5838, 382.3061

■ 0.0000, 0.5305,
0.0373

■ 0.0000, 0.0000,
0.0000

■ 48.7983, 65.5996,
62.3146

■ 48.7983, 65.5996,
62.3146

■ 44.3947, 63.4397,
57.2058

■ 54.0632, 68.2006,
67.7521

■ 40.7958, 61.6868,
52.4142

■ 60.2308, 71.2588,
73.5207

■ 37.9468, 60.3143,
47.9339

■ 67.3460, 74.7990,
79.6282

■ 35.7831, 59.2891,
43.7568

■ 75.4493, 78.8420,
86.0810

■ 34.2286, 58.5720,
39.8745

■ 84.5787, 83.4073,
92.8851

■ 33.1679, 58.1037,
36.2761

■ 86.0415, 84.0134,
99.6378

■ 33.0613, 58.0573,
35.8845

■ 87.3105, 84.5210,
106.3202

Harmonies

Analogous

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



51.9461, 65.5996, 45.9772



48.7983, 65.5996, 62.3146



49.0553, 65.5996, 84.9598

Triad

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



48.7983, 65.5996, 62.3146



66.9122, 65.5996, 120.9957



73.1371, 65.5996, 44.2376

Complementary

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



48.7983, 65.5996, 62.3146



49.2362, 38.4329, 44.3609

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.



77.8538, 65.5996, 59.4131



48.7983, 65.5996, 62.3146



74.0588, 65.5996, 104.8697

Square

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



48.7983, 65.5996, 62.3146



59.0818, 65.5996, 122.2292



78.2046, 65.5996, 81.3867



65.7375, 65.5996, 37.1066

Rectangle

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



48.7983, 65.5996, 62.3146



51.1207, 65.5996, 100.7916



78.2046, 65.5996, 81.3867



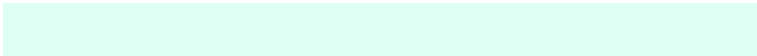
75.1149, 65.5996, 48.4034

Sweetspot

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



48.8001, 65.6023, 62.3161



82.9011, 93.9419, 99.0755



50.2365, 66.9470, 35.0861



17.4850, 19.9784, 20.9856



0.0000, 0.0000, 0.0000



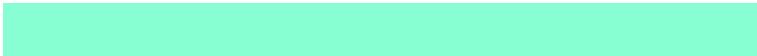
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8001, 65.6023, 62.3161



57.4785, 81.3644, 74.0139



50.1917, 61.6984, 83.3955



14.5689, 16.2410, 17.2605



18.9621, 33.2169, 20.8323



1.4457, 2.4724, 1.7739

Inverse Universe

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



49.2362, 38.4329, 44.3609



58.1215, 41.9085, 47.9878



48.0163, 40.4883, 30.0961



14.5969, 14.4559, 16.0775



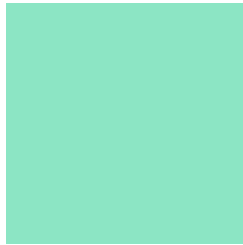
19.4640, 9.9198, 6.0724



1.4820, 0.7505, 0.6789

Previews

White Background



This preview shows how the XYZ color 48.7983, 65.5996, 62.3146 looks on a white background.

Color Contrast Check

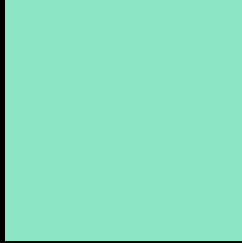
Large Text (above 18pt) WCAG AA × Fail

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 48.7983, 65.5996, 62.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

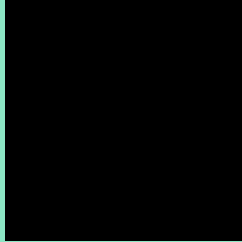
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7983, 65.5996, 62.3146

Background



This preview shows how black text looks on a background with the XYZ color 48.7983, 65.5996, 62.3146.



This preview shows how white text looks on a background with the XYZ color 48.7983, 65.5996,

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

48.7983, 65.5996, 62.3146

Protanopia

61.4247, 64.8540, 55.7350

Deuteranopia

66.0672, 64.8952, 64.3023



Tritanopia

55.0274, 65.7055, 93.0013

Trichromacy



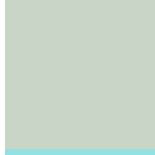
Original Color

48.7983, 65.5996, 62.3146



Protanomaly

55.5930, 64.4198, 58.2194



Deuteranomaly

57.9225, 63.9914, 63.3316



Tritanomaly

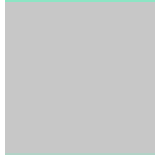
52.5484, 65.4897, 81.1053

Monochromacy



Original Color

48.7983, 65.5996, 62.3146



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.5997, 59.6354, 62.2173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7983, 65.5996, 62.3146 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(140, 229, 196)` looks like.

```
.text, #text, p{  
    color:rgb(140, 229, 196)  
}
```

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(140, 229, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 229, 196) }
```

Border

The CSS property to change the border of an element to XYZ 48.7983, 65.5996, 62.3146 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(140, 229, 196) }
```


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

```
.border{ border-color:rgb(140, 229, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 229, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 229, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 229, 196);  
box-shadow:4px 4px 4px 4px rgb(140, 229,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7983, 65.5996, 62.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 229, 196) }
```

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

```
.background{ background-color: rgb(140,  
229, 196) }
```

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