

Converting Colors

XYZ(47.4999, 64.6241, 65.7806)

Have a look what the booklet for
XYZ(47.4999, 64.6241, 65.7806)
contains.

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Color

**XYZ(47.4573, 64.4182,
65.8098)**

Conversions

Conversions Part 1

Format	Color
Hex	81E4CA
RGB	129, 228, 202
RGB Percent	51%, 89%, 79%
CMY	0.4941, 0.1059, 0.2078
CMYK	0.43, 0.00, 0.11, 0.11
HSL	164°, 65%, 70%
HSV	164°, 43%, 89%
XYZ	47.4573, 64.4182, 65.8098
YIQ	195.4350, -50.6580, -29.0740

Conversions

Conversions Part 2

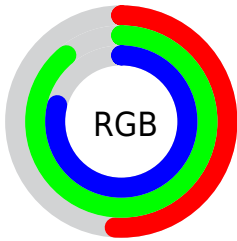
Format	Color
RYB	129, 186, 228
Decimal	8512714
CIELab	84.18, -35.16, 3.63
CIELCh	84, 35.344, 174.104
Yxy	64.4182, 0.2671, 0.3625
Android (android.graphics.Color)	4286702794 (0xFF81E4CA)
YUV	195.4350, 3.2365, -58.2635
Hunter-Lab	80.2609, -34.9118, 7.5680

Details

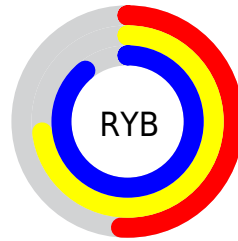
The XYZ color **47.4573, 64.4182, 65.8098** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.7637, 34.5627, 35.2719**, and the grayscale version is **52.1356, 54.8508, 59.7325**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **22.7703, 33.0209, 33.1905** is the 20% darker color. If you saturate the color by 10%, you get **43.6778, 62.5518, 62.0041**, and if you desaturate by 10%, it is **52.0406, 66.6991, 69.7996**.

Distribution



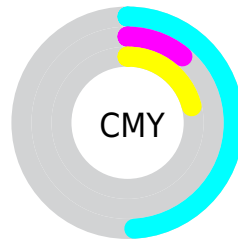
- Red (51%)
- Green (89%)
- Blue (79%)



- Red (51%)
- Yellow (73%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)




- Cyan (49%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4573, 64.4182, 65.8098 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 47.4573, 64.4182, 65.8098 by changing the saturation by 10% instead.


 47.4573, 64.4182,
65.8098


 47.4573, 64.4182,
65.8098


367.2554,
440.6983, 464.0820


 33.6068, 46.9895,
47.6625


 85.6104, 111.2130,
114.8377

 22.7531, 33.0273,
33.2016


 110.6437,
141.3479, 146.5554

 14.5310, 22.1474,
22.0086


 140.1353,
176.4869, 183.6336

 8.5751, 13.9652,
13.6648

174.4506,
217.0145, 226.4910

 4.5200, 8.0965,
7.7518

213.9549,
263.3150, 275.5459

 2.0003, 4.1568,
3.8511

259.0136,

 0.6341, 1.7616,

315.7729, 331.2171

1.5440

309.9920,
374.7725, 393.9229

■ 0.0000, 0.4631,
0.2504

■ 0.0000, 0.0000,
0.0000

■ 47.4573, 64.4182,
65.8098

■ 47.4573, 64.4182,
65.8098

■ 43.6778, 62.5518,
62.0041

■ 52.0406, 66.6991,
69.7996

■ 40.6444, 61.0652,
58.3740

■ 57.4698, 69.4112,
73.9728


■ 38.3001, 59.9308,
54.9165


■ 63.7904, 72.5796,
78.3345


■ 36.5772, 59.1136,
51.6269

■ 71.0431, 76.2252,
82.8881

 35.3937, 58.5715,
48.4996


 79.2659, 80.3677,
87.6370

 34.8236, 58.3207,
46.5258

 84.4072, 82.9182,
92.3930

 85.3017, 83.2759,
97.1030

 86.2257, 83.6455,
101.9687

 87.0345, 83.9691,
106.2282

Harmonies

Analogous

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



49.8382, 64.4182, 47.8030



47.4573, 64.4182, 65.8098



48.5039, 64.4182, 89.2351

Triad

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



47.4573, 64.4182, 65.8098



67.5750, 64.4182, 117.2414



70.4722, 64.4182, 40.7229

Complementary

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



47.4573, 64.4182, 65.8098



45.7637, 34.5627, 35.2719

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.



76.0018, 64.4182, 53.9847



47.4573, 64.4182, 65.8098



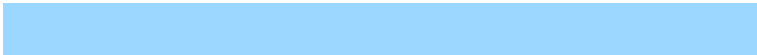
74.2320, 64.4182, 98.5355

Square

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



47.4573, 64.4182, 65.8098



59.6961, 64.4182, 122.2789



77.4330, 64.4182, 74.6571



62.7850, 64.4182, 35.4372

Rectangle

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



47.4573, 64.4182, 65.8098



51.0538, 64.4182, 104.5767



77.4330, 64.4182, 74.6571



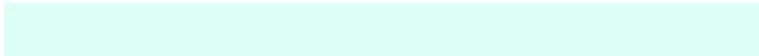
72.6703, 64.4182, 44.2392

Sweetspot

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



47.4591, 64.4208, 65.8113



82.5179, 93.6978, 101.1613



45.3023, 64.0827, 30.7514



17.2512, 19.8489, 21.3805



0.0000, 0.0000, 0.0000



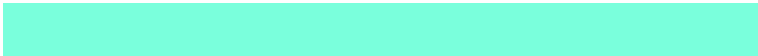
20.3446, 21.4041, 23.3091

Same Dimension

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



47.4591, 64.4208, 65.8113



56.7840, 80.8633, 80.4457



44.8662, 53.8857, 81.4381



14.6373, 16.2684, 17.6210



20.1588, 33.6956, 27.1342



1.5273, 2.5051, 2.2035

Inverse Universe

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



45.7637, 34.5627, 35.2719



54.3540, 37.7196, 36.4158



47.2039, 40.5697, 26.1127



14.5316, 14.4298, 15.7339



18.9858, 9.7285, 3.5540



1.4405, 0.7339, 0.4600

Previews

White Background



This preview shows how the XYZ color 47.4573, 64.4182, 65.8098 looks on a white background.

Color Contrast Check

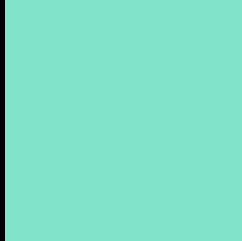
Large Text (above 18pt) WCAG AA × Fail

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 47.4573, 64.4182, 65.8098 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

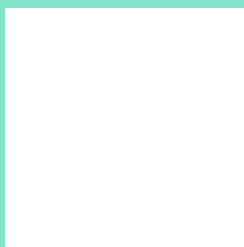
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4573, 64.4182, 65.8098

Background



This preview shows how black text looks on a background with the XYZ color 47.4573, 64.4182, 65.8098.

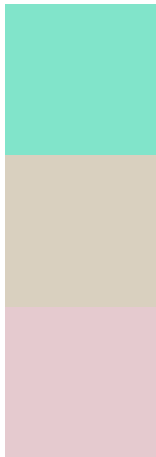


This preview shows how white text looks on a background with the XYZ color 47.4573, 64.4182,

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

47.4573, 64.4182, 65.8098

Protanopia

60.5751, 63.6251, 58.3784

Deuteranopia

64.6961, 63.4041, 67.8598



Tritanopia

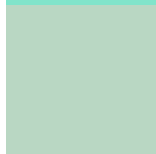
52.4969, 64.0228, 92.0288

Trichromacy



Original Color

47.4573, 64.4182, 65.8098



Protanomaly

54.1583, 62.8553, 60.9076



Deuteranomaly

56.3060, 62.3338, 66.8216



Tritanomaly

50.3748, 63.9532, 81.6407

Monochromacy



Original Color

47.4573, 64.4182, 65.8098



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.3005, 57.3608, 61.8994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4573, 64.4182, 65.8098 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(129, 228, 202)` looks like.

```
.text, #text, p{  
    color:rgb(129, 228, 202)  
}
```

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(129, 228, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 228, 202) }
```

Border

The CSS property to change the border of an element to XYZ 47.4573, 64.4182, 65.8098 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(129, 228, 202) }
```


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

```
.border{ border-color:rgb(129, 228, 202) }
```

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

Here you see how a box with a 4 pixel rgb(129, 228, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 228, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 228, 202);  
box-shadow:4px 4px 4px 4px rgb(129, 228,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4573, 64.4182, 65.8098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 228, 202) }
```

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

```
.background{ background-color: rgb(129,  
228, 202) }
```

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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