

Converting Colors

XYZ(44.7759, 64.5401, 50.0481)

Have a look what the booklet for
XYZ(44.7759, 64.5401, 50.0481)
contains.

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Color

**XYZ(44.8201, 64.6434,
50.1596)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7EE7AE |
| RGB | 126, 231, 174 |
| RGB Percent | 49%, 91%, 68% |
| CMY | 0.5059, 0.0941, 0.3176 |
| CMYK | 0.45, 0.00, 0.25, 0.09 |
| HSL | 147°, 69%, 70% |
| HSV | 147°, 45%, 91% |
| XYZ | 44.8201, 64.6434, 50.1596 |
| YIQ | 193.1070, -44.2830, -39.9870 |

Conversions

Conversions Part 2

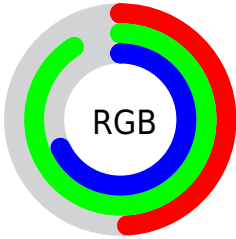
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 126, 198, 231 |
| Decimal | 8316846 |
| CIELab | 84.30, -43.15, 18.47 |
| CIELCh | 84, 46.934, 156.830 |
| Yxy | 64.6434, 0.2808, 0.4050 |
| Android (android.graphics.Color) | 4286506926 (0xFF7EE7AE) |
| YUV | 193.1070, -9.4198, -58.8528 |
| Hunter-Lab | 80.4011, -41.1960, 19.2917 |

Details

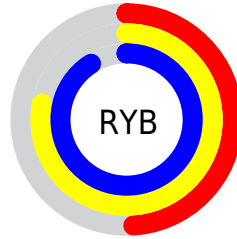
The XYZ color **44.8201, 64.6434, 50.1596** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.9652, 35.3311, 49.0411**, and the grayscale version is **50.8252, 53.4721, 58.2311**.

A 20% lighter version of the original color is **69.5714, 87.3005, 88.0468**, and **21.1651, 33.2694, 23.3953** is the 20% darker color. If you saturate the color by 10%, you get **40.6332, 62.6215, 43.8776**, and if you desaturate by 10%, it is **49.9110, 67.1217, 57.0826**.

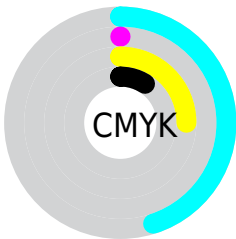
Distribution



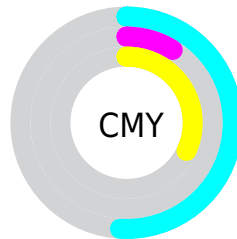
- Red (49%)
- Green (91%)
- Blue (68%)



- Red (49%)
- Yellow (78%)
- Blue (91%)



- Cyan (45%)
- Magenta (0%)
- Yellow (25%)
- Black (9%)





- Cyan (51%)
- Magenta (9%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.8201, 64.6434, 50.1596 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 44.8201, 64.6434, 50.1596 by changing the saturation by 10% instead.


 44.8201, 64.6434,
50.1596


 44.8201, 64.6434,
50.1596


356.8404,
441.5094, 404.0427


 31.5164, 47.1720,
35.1682


 81.6891, 111.5370,
91.8100

 21.1462, 33.1716,
23.5078


 105.9852,
141.7280, 119.3061

 13.3440, 22.2580,
14.7601


 134.6760,
176.9277, 151.8075

 7.7444, 14.0466,
8.5065

168.1271,
217.5203, 189.7327

 3.9823, 8.1531,
4.3283

206.7037,
263.8905, 233.5003

 1.6921, 4.1930,
1.8071

250.7713,

 0.4513, 1.7821,

316.4224, 283.5288

0.4327

300.6950,
375.5006, 340.2367

■ 0.0000, 0.4760,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.8201, 64.6434,
50.1596

■ 44.8201, 64.6434,
50.1596

■ 40.6332, 62.6215,
43.8776

■ 49.9110, 67.1217,
57.0826

■ 37.2871, 61.0184,
38.2133


■ 55.9535, 70.0752,
64.6602


■ 34.7185, 59.8037,
33.1481


■ 62.9976, 73.5313,
72.9113


■ 32.8517, 58.9387,
28.6607


■ 71.0884, 77.5127,
81.8524

 31.5943, 58.3762,
24.7282

 80.2681, 82.0410,
91.4995

 31.1578, 58.1864,
23.1156

 86.9542, 85.2690,
101.6986

 87.8671, 85.6341,
106.5057

Harmonies

Analogous

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



50.2100, 64.6434, 33.7583



44.8201, 64.6434, 50.1596



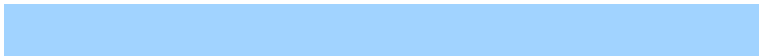
43.6379, 64.6434, 77.4239

Triad

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



44.8201, 64.6434, 50.1596



63.8524, 64.6434, 143.9982



78.8903, 64.6434, 41.3181

Complementary

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



44.8201, 64.6434, 50.1596



48.9652, 35.3311, 49.0411

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.



83.5286, 64.6434, 63.7875



44.8201, 64.6434, 50.1596



74.2344, 64.6434, 126.9421

Square

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



44.8201, 64.6434, 50.1596



53.9000, 64.6434, 137.3110



81.7352, 64.6434, 95.4273



69.6559, 64.6434, 29.7520

Rectangle

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



44.8201, 64.6434, 50.1596



45.2593, 64.6434, 99.5499



81.7352, 64.6434, 95.4273



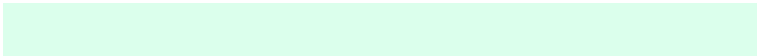
81.0835, 64.6434, 47.5586

Sweetspot

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



44.8218, 64.6460, 50.1611



80.1489, 92.6607, 92.7284



52.0513, 68.8205, 30.2798



16.7141, 19.6164, 19.3472



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.



44.8218, 64.6460, 50.1611



50.9202, 78.3970, 55.0235



50.8754, 67.0675, 82.0386



14.4620, 16.1982, 16.6974



17.5278, 32.6432, 13.2796



1.3416, 2.4308, 1.2257

Inverse Universe

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



48.9652, 35.3311, 49.0411



56.7338, 37.2212, 53.4194



44.5314, 33.5575, 25.6928



14.7026, 14.4982, 16.6343



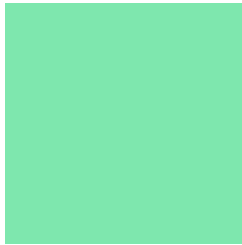
20.6281, 10.3855, 12.2027



1.5711, 0.7862, 1.1480

Previews

White Background



This preview shows how the XYZ color 44.8201, 64.6434, 50.1596 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 44.8201, 64.6434, 50.1596 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 44.8201, 64.6434, 50.1596

Background



This preview shows how black text looks on a background with the XYZ color 44.8201, 64.6434, 50.1596.

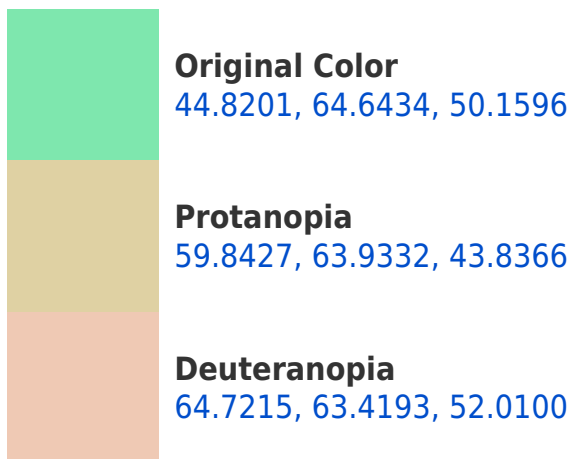


This preview shows how white text looks on a background with the XYZ color 44.8201, 64.6434,

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





Tritanopia

53.0048, 64.2846, 92.0526

Trichromacy



Original Color

44.8201, 64.6434, 50.1596



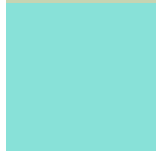
Protanomaly

52.5269, 63.1071, 45.9716



Deuteranomaly

54.8681, 62.3071, 51.2541



Tritanomaly

49.4732, 64.0425, 74.7197

Monochromacy



Original Color

44.8201, 64.6434, 50.1596



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.5379, 56.6058, 54.8749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8201, 64.6434, 50.1596 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(126, 231, 174)` looks like.

```
.text, #text, p{  
    color:rgb(126, 231, 174)  
}
```

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(126, 231, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 231, 174) }
```

Border

The CSS property to change the border of an element to XYZ 44.8201, 64.6434, 50.1596 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(126, 231, 174) }
```


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

```
.border{ border-color:rgb(126, 231, 174) }
```

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

Here you see how a box with a 4 pixel rgb(126, 231, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 231, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 231, 174);  
box-shadow:4px 4px 4px 4px rgb(126, 231,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8201, 64.6434, 50.1596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 231, 174) }
```

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

```
.background{ background-color: rgb(126,  
231, 174) }
```

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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