

Converting Colors

XYZ(47.6414, 63.7815, 62.0246)

Have a look what the booklet for
XYZ(47.6414, 63.7815, 62.0246)
contains.

XYZ(47.6414, 63.7815, 62.0246)	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(47.6414, 63.7815,
62.0246)**

Conversions

Conversions Part 1

Format	Color
Hex	8AE2C4
RGB	138, 226, 196
RGB Percent	54%, 89%, 77%
CMY	0.4588, 0.1137, 0.2314
CMYK	0.39, 0.00, 0.13, 0.11
HSL	160°, 60%, 71%
HSV	160°, 39%, 89%
XYZ	47.6414, 63.7815, 62.0246
YIQ	196.2680, -42.8180, -27.9860

Conversions

Conversions Part 2

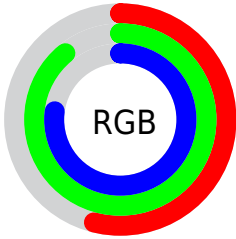
Format	Color
RYB	138, 191, 226
Decimal	9102020
CIELab	83.85, -33.22, 6.37
CIELCh	84, 33.822, 169.151
Yxy	63.7815, 0.2747, 0.3677
Android (android.graphics.Color)	4287292100 (0xFF8AE2C4)
YUV	196.2680, -0.1321, -51.1010
Hunter-Lab	79.8633, -33.2790, 9.8577

Details

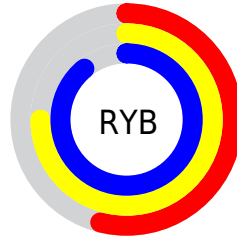
The XYZ color **47.6414, 63.7815, 62.0246** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.5226, 37.1745, 41.7190**, and the grayscale version is **52.6508, 55.3928, 60.3227**.

A 20% lighter version of the original color is **75.7378, 90.0812, 106.3241**, and **22.8245, 32.5414, 30.6693** is the 20% darker color. If you saturate the color by 10%, you get **43.4299, 61.7108, 57.3671**, and if you desaturate by 10%, it is **52.6795, 66.2765, 66.9587**.

Distribution



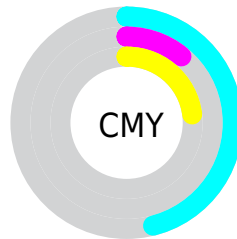
- Red (54%)
- Green (89%)
- Blue (77%)



- Red (54%)
- Yellow (75%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)




- Cyan (46%)
- Magenta (11%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6414, 63.7815, 62.0246 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 47.6414, 63.7815, 62.0246 by changing the saturation by 10% instead.


 47.6414, 63.7815,
62.0246

 47.6414, 63.7815,
62.0246


367.9753,
438.4002, 450.0309


 33.7531, 46.4737,
44.6167


 85.8832, 110.2962,
109.3330

 22.8659, 32.6198,
30.8148


 110.9673,
140.2719, 140.0706

 14.6147, 21.8354,
20.2006


 140.5141,
175.2391, 176.0884

 8.6340, 13.7360,
12.3554

174.8889,
215.5820, 217.8051

 4.5584, 7.9373,
6.8608

214.4571,
261.6853, 265.6392

 2.0226, 4.0548,
3.2980

259.5839,

 0.6466, 1.7043,

313.9331, 320.0091

1.2488

310.6349,
372.7099, 381.3335

■ 0.0000, 0.4264,
0.0192

■ 0.0000, 0.0000,
0.0000

■ 47.6414, 63.7815,
62.0246

■ 47.6414, 63.7815,
62.0246

■ 43.4299, 61.7108,
57.3671

■ 52.6795, 66.2765,
66.9587

■ 39.9903, 60.0312,
52.9760

■ 58.5840, 69.2111,
72.1706

■ 37.2696, 58.7173,
48.8466

■ 65.3983, 72.6094,
77.6670

■ 35.2057, 57.7369,
44.9725

■ 73.1615, 76.4914,
83.4530

■ 33.7249, 57.0523,
41.3463

■ 81.9101, 80.8760,
89.5335

■ 32.7141, 56.6051,
37.9590

■ 84.4995, 82.0798,
95.5773

■ 32.6185, 56.5634,
37.6124

■ 85.6831, 82.5532,
101.8100

■ 86.4875, 82.8750,
106.0458

Harmonies

Analogous

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



50.4414, 63.7815, 45.9684



47.6414, 63.7815, 62.0246



48.0989, 63.7815, 83.7591

Triad

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



47.6414, 63.7815, 62.0246



65.4329, 63.7815, 115.7327



70.4590, 63.7815, 42.8588

Complementary

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



47.6414, 63.7815, 62.0246



47.5226, 37.1745, 41.7190

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.



75.1504, 63.7815, 56.8662



47.6414, 63.7815, 62.0246



72.0887, 63.7815, 99.8062

Square

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



47.6414, 63.7815, 62.0246



57.9720, 63.7815, 117.9019



75.7701, 63.7815, 77.4396



63.3524, 63.7815, 36.5054

Rectangle

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



47.6414, 63.7815, 62.0246



50.2010, 63.7815, 98.6277



75.7701, 63.7815, 77.4396



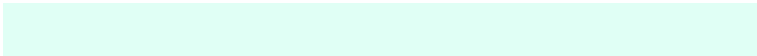
72.3947, 63.7815, 46.6777

Sweetspot

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



47.6432, 63.7841, 62.0261



83.0401, 93.9975, 99.8071



48.1051, 64.6433, 33.9878



17.5177, 19.9915, 21.1581



0.0000, 0.0000, 0.0000



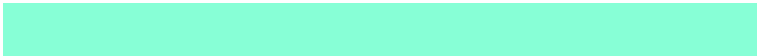
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6432, 63.7841, 62.0261



57.9312, 81.5455, 76.3982



47.9547, 58.3847, 80.6964



13.9076, 15.4888, 16.5488



18.6658, 32.2912, 21.7608



1.3352, 2.2548, 1.7265

Inverse Universe

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



47.5226, 37.1745, 41.7190



57.7624, 41.7648, 46.0968



47.0523, 40.2031, 29.3259



13.8991, 13.7773, 15.2389



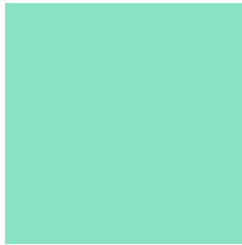
18.7085, 9.5504, 5.1305



1.3377, 0.6784, 0.5712

Previews

White Background



This preview shows how the XYZ color 47.6414, 63.7815, 62.0246 looks on a white background.

Color Contrast Check

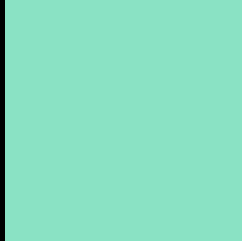
Large Text (above 18pt) WCAG AA × Fail

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 47.6414, 63.7815, 62.0246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

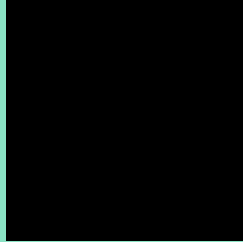
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6414, 63.7815, 62.0246

Background



This preview shows how black text looks on a background with the XYZ color 47.6414, 63.7815, 62.0246.

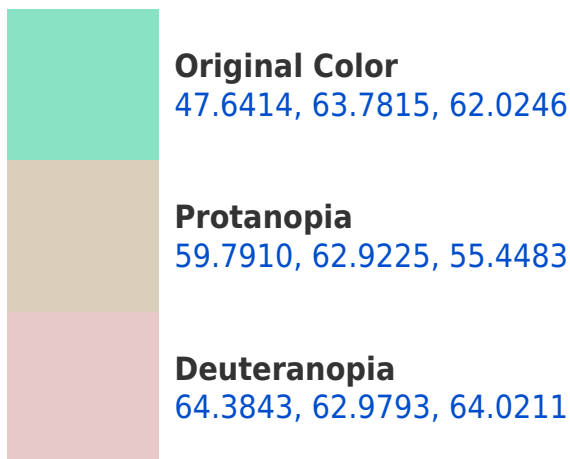


This preview shows how white text looks on a background with the XYZ color 47.6414, 63.7815,

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

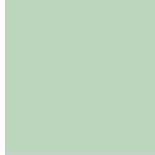
53.2386, 63.6553, 90.3697

Trichromacy



Original Color

47.6414, 63.7815, 62.0246



Protanomaly

54.0799, 62.5022, 57.9290



Deuteranomaly

56.3814, 62.0870, 63.0452



Tritanomaly

50.9422, 63.4996, 79.3837

Monochromacy



Original Color

47.6414, 63.7815, 62.0246



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.9558, 57.7251, 60.7337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6414, 63.7815, 62.0246 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(138, 226, 196)` looks like.

```
.text, #text, p{  
    color:rgb(138, 226, 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(138, 226, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 226, 196) }
```

Border

The CSS property to change the border of an element to XYZ 47.6414, 63.7815, 62.0246 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(138, 226, 196) }
```


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

```
.border{ border-color:rgb(138, 226, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 226, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 226, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 226, 196);  
box-shadow:4px 4px 4px 4px rgb(138, 226,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6414, 63.7815, 62.0246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 226, 196) }
```

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

```
.background{ background-color: rgb(138,  
226, 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