

Converting Colors

XYZ(47.1943, 64.4779, 56.9718)

Have a look what the booklet for
XYZ(47.1943, 64.4779, 56.9718)
contains.

XYZ(47.1943, 64.4779, 56.9718)	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(47.1943, 64.4779,
56.9718)**

Conversions

Conversions Part 1	
Format	Color
Hex	8AE4BB
RGB	138, 228, 187
RGB Percent	54%, 89%, 73%
CMY	0.4588, 0.1059, 0.2667
CMYK	0.39, 0.00, 0.18, 0.11
HSL	153°, 63%, 72%
HSV	153°, 39%, 89%
XYZ	47.1943, 64.4779, 56.9718
YIQ	196.4160, -40.4790, -31.8310

Conversions

Conversions Part 2

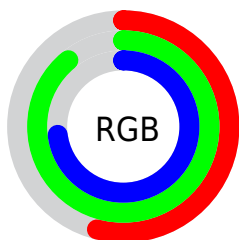
Format	Color
RYB	138, 196, 228
Decimal	9102523
CIELab	84.21, -36.02, 11.62
CIELCh	84, 37.853, 162.122
Yxy	64.4779, 0.2798, 0.3823
Android (android.graphics.Color)	4287292603 (0xFF8AE4BB)
YUV	196.4160, -4.6421, -51.2308
Hunter-Lab	80.2981, -35.6104, 14.1422

Details

The XYZ color **47.1943, 64.4779, 56.9718** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.2223, 37.9273, 47.3768**, and the grayscale version is **52.7650, 55.5129, 60.4536**.

A 20% lighter version of the original color is **74.1858, 89.4604, 98.1516**, and **22.6229, 33.0653, 27.7441** is the 20% darker color. If you saturate the color by 10%, you get **42.7388, 62.3066, 51.1677**, and if you desaturate by 10%, it is **52.5255, 67.0948, 63.2396**.

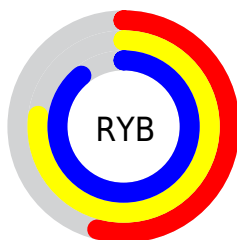
Distribution



Red (54%)

Green (89%)

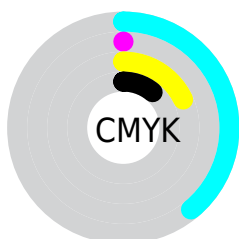
Blue (73%)



Red (54%)

Yellow (77%)

Blue (89%)

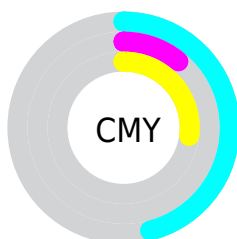


Cyan (39%)

Magenta (0%)

Yellow (18%)

Black (11%)



Cyan (46%)


Magenta (11%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1943, 64.4779, 56.9718 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 47.1943, 64.4779, 56.9718 by changing the saturation by 10% instead.


 47.1943, 64.4779,
56.9718


 47.1943, 64.4779,
56.9718


366.2255,
440.9134, 430.8344


 33.3979, 47.0379,
40.5734


 85.2206, 111.2989,
101.9240

 22.5921, 33.0656,
27.6687


 110.1811,
141.4487, 131.3148

 14.4116, 22.1767,
17.8392


 139.5937,
176.6038, 165.8735

 8.4911, 13.9868,
10.6664

173.8238,
217.1486, 206.0187

 4.4652, 8.1115,
5.7316

213.2366,
263.4676, 252.1688

 1.9685, 4.1664,
2.6165


258.1976,


 0.6162, 1.7671,


315.9451, 304.7424


0.9009


309.0722,
374.9656, 364.1581


 0.0000, 0.4665,
0.0000


 0.0000, 0.0000,
0.0000


 47.1943, 64.4779,
56.9718


 47.1943, 64.4779,
56.9718


 42.7388, 62.3066,
51.1677


 52.5255, 67.0948,
63.2396


 39.1022, 60.5467,
45.8116


 58.7745, 70.1736,
69.9775


 36.2289, 59.1713,
40.8933

 65.9868, 73.7393,
77.1973


 34.0535, 58.1470,
36.4002


 74.2031, 77.8128,
84.9089


 32.4990, 57.4344,
32.3190

 83.4620, 82.4138,
93.1220

 31.4407, 56.9693,
28.6336

 86.1342, 83.6090,
101.4873

 31.3910, 56.9477,
28.4500

 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.



51.1010, 64.4779, 41.2416



47.1943, 64.4779, 56.9718



46.8434, 64.4779, 80.3475

Triad

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



47.1943, 64.4779, 56.9718



64.7302, 64.4779, 125.6706



74.0278, 64.4779, 43.5826

Complementary

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



47.1943, 64.4779, 56.9718



49.2223, 37.9273, 47.3768

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.



78.4244, 64.4779, 60.9550



47.1943, 64.4779, 56.9718



72.7379, 64.4779, 110.2917

Square

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



47.1943, 64.4779, 56.9718



56.4702, 64.4779, 123.9109



77.9319, 64.4779, 85.3445



66.3646, 64.4779, 34.8117

Rectangle

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



47.1943, 64.4779, 56.9718



48.6271, 64.4779, 97.7089



77.9319, 64.4779, 85.3445



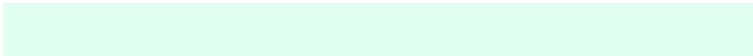
75.9669, 64.4779, 48.4180

Sweetspot

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



47.1961, 64.4805, 56.9733



82.5107, 93.7857, 97.0193



51.1554, 67.0278, 34.2873



17.3930, 19.9416, 20.5013



0.0000, 0.0000, 0.0000



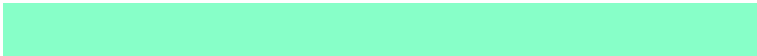
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1961, 64.4805, 56.9733



56.2479, 80.8722, 67.5341



51.4122, 64.8578, 83.2109



14.5159, 16.2198, 16.9815



18.1861, 32.9066, 16.7465



1.3906, 2.4504, 1.4836

Inverse Universe

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



49.2223, 37.9273, 47.3768



59.1919, 42.3366, 53.6243



46.1091, 37.3803, 28.8307



14.6487, 14.4767, 16.3502



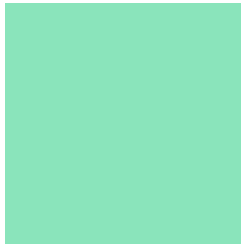
19.9723, 10.1231, 8.7489



1.5223, 0.7666, 0.8907

Previews

White Background



This preview shows how the XYZ color 47.1943, 64.4779, 56.9718 looks on a white background.

Color Contrast Check

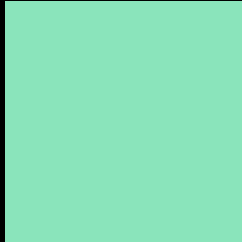
Large Text (above 18pt) WCAG AA × Fail

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 47.1943, 64.4779, 56.9718 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

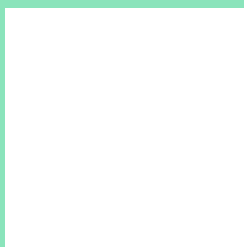
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1943, 64.4779, 56.9718

Background



This preview shows how black text looks on a background with the XYZ color 47.1943, 64.4779, 56.9718.

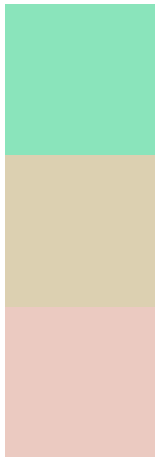


This preview shows how white text looks on a background with the XYZ color 47.1943, 64.4779,

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

47.1943, 64.4779, 56.9718

Protanopia

60.0069, 63.5017, 50.6893

Deuteranopia

65.0071, 63.7535, 59.3315




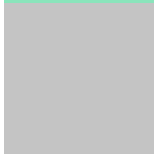
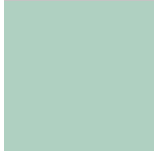
Tritanopia

54.0141, 64.4289, 91.2505

Trichromacy

	Original Color 47.1943, 64.4779, 56.9718
	Protanomaly 53.8761, 62.8842, 53.0144
	Deuteranomaly 56.5177, 62.6295, 58.4001
	Tritanomaly 51.4280, 64.5896, 77.4666

Monochromacy

	Original Color 47.1943, 64.4779, 56.9718
	Achromatopsia 52.4687, 55.2011, 60.1140
	Achromatomaly 49.8607, 58.0760, 59.0339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1943, 64.4779, 56.9718 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, 228, 187)` looks like.

```
.text, #text, p{  
    color:rgb(138, 228, 187)  
}
```

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, 228, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 228, 187) }
```

Border

The CSS property to change the border of an element to XYZ 47.1943, 64.4779, 56.9718 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, 228, 187) }
```


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

```
.border{ border-color:rgb(138, 228, 187) }
```

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

Here you see how a box with a 4 pixel rgb(138, 228, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 228, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 228, 187);  
box-shadow:4px 4px 4px 4px rgb(138, 228,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1943, 64.4779, 56.9718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 228, 187) }
```

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

```
.background{ background-color: rgb(138,  
228, 187) }
```

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