

Converting Colors

XYZ(39.6768, 44.9472, 49.7645)

Have a look what the booklet for
XYZ(39.6768, 44.9472, 49.7645)
contains.

XYZ(39.6768, 44.9472, 49.7645)	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(39.6768, 44.9472,
49.7645)**

Conversions

Conversions Part 1

Format	Color
Hex	9FB8B4
RGB	159, 184, 180
RGB Percent	62%, 72%, 71%
CMY	0.3765, 0.2784, 0.2941
CMYK	0.14, 0.00, 0.02, 0.28
HSL	170°, 15%, 67%
HSV	170°, 14%, 72%
XYZ	39.6768, 44.9472, 49.7645
YIQ	176.0690, -13.6160, -6.5440

Conversions

Conversions Part 2

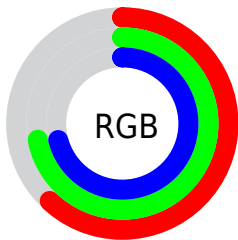
Format	Color
RYB	159, 173, 184
Decimal	10467508
CIELab	72.86, -9.32, -0.86
CIELCh	73, 9.362, 185.245
Yxy	44.9472, 0.2952, 0.3345
Android (android.graphics.Color)	4288657588 (0xFF9FB8B4)
YUV	176.0690, 1.9380, -14.9695
Hunter-Lab	67.0427, -11.6859, 2.9200

Details

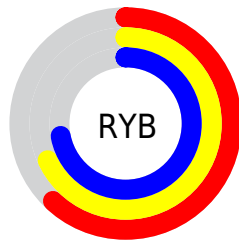
The XYZ color **39.6768, 44.9472, 49.7645** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.7778, 37.6322, 39.8723**, and the grayscale version is **41.2991, 43.4499, 47.3170**.

A 20% lighter version of the original color is **74.0320, 82.6724, 91.4124**, and **18.0105, 20.8907, 23.1617** is the 20% darker color. If you saturate the color by 10%, you get **35.9995, 43.0870, 48.0433**, and if you desaturate by 10%, it is **43.9062, 47.0937, 51.5468**.

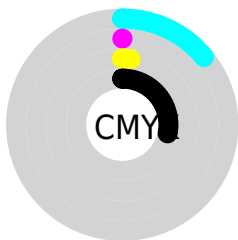
Distribution



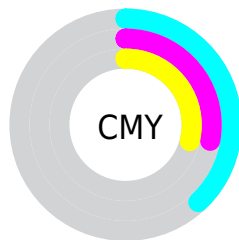
- Red (62%)
- Green (72%)
- Blue (71%)



- Red (62%)
- Yellow (68%)
- Blue (72%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)




- Cyan (38%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6768, 44.9472, 49.7645 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 39.6768, 44.9472, 49.7645 by changing the saturation by 10% instead.


 39.6768, 44.9472,
49.7645


 39.6768, 44.9472,
49.7645


335.9173,
366.5597, 402.4529

 27.4697, 31.4158,
34.8564


 73.9586, 82.6412,
91.2186

 18.0647, 20.9157,
23.2696


 96.7640, 107.5726,
118.6016

 11.0964, 13.0624,
14.5856


123.8329,
137.0728, 150.9802

 6.1995, 7.4715,
8.3857

155.5307,
171.5262, 188.7726

 3.0086, 3.7587,
4.2514

192.2226,
211.3172, 232.3976

 1.1583, 1.5395,
1.7643

234.2741,

 0.0731, 0.3163,

256.8302, 282.2736

0.4042

282.0506,
308.4495, 338.8192

■ 0.0000, 0.0000,
0.0000

■ 39.6768, 44.9472,
49.7645

■ 39.6768, 44.9472,
49.7645

■ 35.9995, 43.0870,
48.0433

■ 43.9062, 47.0937,
51.5468

■ 32.8465, 41.4952,
46.3787

■ 48.7065, 49.5325,
53.3883

■ 30.1934, 40.1603,
44.7705

■ 54.0999, 52.2764,
55.2913

■ 28.0123, 39.0680,
43.2170

■ 60.1068, 55.3358,
57.2569

■ 26.2724, 38.2025,
41.7166

■ 66.7461, 58.7205,
59.2862

■ 24.9394, 37.5460,
40.2676

■ 68.5370, 59.6049,
61.1229

■ 23.9737, 37.0781,
38.8678

■ 68.8795, 59.7419,
62.9263

■ 23.3278, 36.7744,
37.5147

■ 69.2286, 59.8815,
64.7646

■ 23.0197, 36.6340,
36.6688

■ 69.5844, 60.0238,
66.6382

Harmonies

Analogous

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



39.9389, 44.9472, 45.2784



39.6768, 44.9472, 49.7645



40.2133, 44.9472, 54.3017

Triad

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



39.6768, 44.9472, 49.7645



44.5543, 44.9472, 56.6386



44.0462, 44.9472, 41.2365

Complementary

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



39.6768, 44.9472, 49.7645



38.7778, 37.6322, 39.8723

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.



45.3308, 44.9472, 43.9431



39.6768, 44.9472, 49.7645



45.6293, 44.9472, 52.7936

Square

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



39.6768, 44.9472, 49.7645



43.0079, 44.9472, 58.4285



45.9170, 44.9472, 48.1244



42.4353, 44.9472, 40.5385

Rectangle

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



39.6768, 44.9472, 49.7645



40.9599, 44.9472, 56.6870



45.9170, 44.9472, 48.1244



44.5318, 44.9472, 41.9328

Sweetspot

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



39.6781, 44.9491, 49.7655



79.1978, 85.1680, 93.2810



38.5383, 44.5903, 39.3773



16.9426, 18.2940, 20.0565



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



39.6781, 44.9491, 49.7655



70.0411, 80.5247, 89.3623



38.4112, 41.7533, 51.3843



9.2032, 10.1853, 11.2276



15.8860, 25.2553, 25.3852



0.5768, 0.8970, 0.9831

Inverse Universe

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



38.7778, 37.6322, 39.8723



68.1235, 64.9374, 68.2884



39.9066, 40.4547, 38.5069



9.0617, 9.0350, 9.6723



13.7978, 7.0929, 1.5560



0.5049, 0.2574, 0.1520

Previews

White Background



This preview shows how the XYZ color 39.6768, 44.9472, 49.7645 looks on a white background.

Color Contrast Check

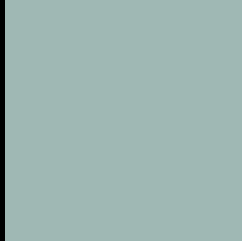
Large Text (above 18pt) WCAG AA × Fail

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 39.6768, 44.9472, 49.7645 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

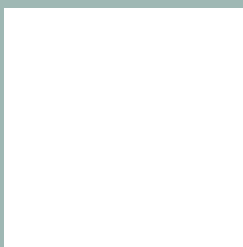
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.6768, 44.9472, 49.7645

Background



This preview shows how black text looks on a background with the XYZ color 39.6768, 44.9472, 49.7645.

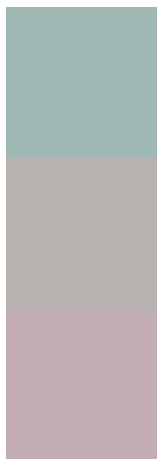


This preview shows how white text looks on a background with the XYZ color 39.6768, 44.9472,

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

39.6768, 44.9472, 49.7645

Protanopia

43.0483, 44.9205, 47.4759

Deuteranopia

45.6352, 44.7339, 50.4852



Tritanopia

41.5920, 45.1228, 58.7420

Trichromacy



Original Color

39.6768, 44.9472, 49.7645

Protanomaly

41.7126, 44.8155, 48.0467

Deuteranomaly

43.1187, 44.6042, 50.0529

Tritanomaly

40.9257, 45.1617, 55.2753

Monochromacy



Original Color

39.6768, 44.9472, 49.7645

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.6335, 43.9606, 47.9386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6768, 44.9472, 49.7645 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(159, 184, 180) looks like.

```
.text, #text, p{  
    color:rgb(159, 184, 180)  
}
```

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(159, 184, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 184, 180) }
```

Border

The CSS property to change the border of an element to XYZ 39.6768, 44.9472, 49.7645 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(159, 184, 180) }
```


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

```
.border{ border-color:rgb(159, 184, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 184, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 184, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 184, 180);  
box-shadow:4px 4px 4px 4px rgb(159, 184,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6768, 44.9472, 49.7645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 184, 180) }
```

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

```
.background{ background-color: rgb(159,  
184, 180) }
```

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