

Converting Colors

XYZ(39.3585, 66.6774, 49.7673)

Have a look what the booklet for
XYZ(39.3585, 66.6774, 49.7673)
contains.

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Color

**XYZ(39.2987, 66.5344,
49.8009)**

Conversions

Conversions Part 1

Format	Color
Hex	08F2AC
RGB	8, 242, 172
RGB Percent	3%, 95%, 67%
CMY	0.9685, 0.0510, 0.3255
CMYK	0.97, 0.00, 0.29, 0.05
HSL	162°, 94%, 49%
HSV	162°, 97%, 95%
XYZ	39.2987, 66.5344, 49.8009
YIQ	164.0540, -116.9940, -71.3780

Conversions

Conversions Part 2

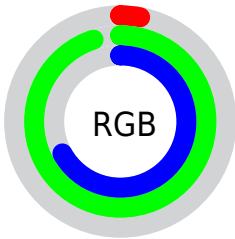
Format	Color
R_{YB}	8, 146, 242
Decimal	586412
CIE _{Lab}	85.27, -64.01, 20.51
CIE _{LCh}	85, 67.214, 162.237
Yxy	66.5344, 0.2525, 0.4275
Android (android.graphics.Color)	4278776492 (0xFF08F2AC)
YUV	164.0540, 3.9174, -136.8594
Hunter-Lab	81.5686, -56.7461, 20.8991

Details

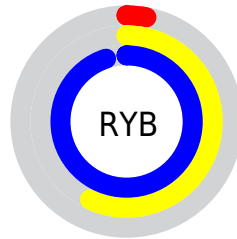
The XYZ color **39.2987, 66.5344, 49.8009** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **38.0830, 19.6030, 8.9916**, and the grayscale version is **35.3403, 37.1807, 40.4898**.

A 20% lighter version of the original color is **56.7030, 80.6988, 85.9867**, and **20.4703, 35.6129, 23.2478** is the 20% darker color. If you saturate the color by 10%, you get **38.9709, 66.3936, 48.5922**, and if you desaturate by 10%, it is **40.5176, 67.0819, 53.5893**.

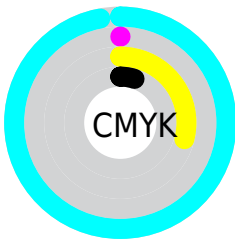
Distribution



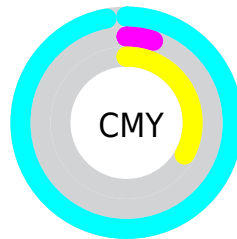
- Red (3%)
- Green (95%)
- Blue (67%)



- Red (3%)
- Yellow (57%)
- Blue (95%)



- Cyan (97%)
- Magenta (0%)
- Yellow (29%)
- Black (5%)




- Cyan (97%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2987, 66.5344, 49.8009 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 39.2987, 66.5344, 49.8009 by changing the saturation by 10% instead.


 39.2987, 66.5344,
49.8009


 39.2987, 66.5344,
49.8009


334.3441,
448.2857, 402.5996


 27.1739, 48.7063,
34.8852


 73.3856, 114.2530,
91.2731


 17.8412, 34.3866,
23.2916


 96.0784, 144.9123,
118.6666


 10.9350, 23.1907,
14.6016


 123.0246,
180.6175, 151.0564

 6.0901, 14.7344,
8.3968

 154.5896,
221.7530, 188.8611

 2.9411, 8.6332,
4.2585

 191.1386,
268.7032, 232.4993

 1.1227, 4.5027,
1.7682

233.0372,

 0.0440, 1.9586,

321.8524, 282.3894

0.4068

280.6506,
381.5851, 338.9499

■ 0.0000, 0.5832,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2987, 66.5344,
49.8009

■ 39.2987, 66.5344,
49.8009

■ 38.9709, 66.3936,
48.5922

■ 40.5176, 67.0819,
53.5893

■ 42.3232, 67.9257,
57.6047

■ 44.8223, 69.1226,
61.8563

■ 48.0985, 70.7154,
66.3510

■ 52.2230, 72.7409,
71.0951

■ 57.2586, 75.2314,
76.0942

■ 63.2622, 78.2162,
81.3537

■ 70.2859, 81.7221,
86.8789

■ 78.3780, 85.7738,
92.6745

Harmonies

Analogous

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



45.5643, 66.5344, 26.4793



39.2987, 66.5344, 49.8009



38.7703, 66.5344, 91.6645

Triad

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



39.2987, 66.5344, 49.8009



69.6353, 66.5344, 188.8255



87.4268, 66.5344, 29.5031

Complementary

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



39.2987, 66.5344, 49.8009



38.0830, 19.6030, 8.9916

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.



96.3001, 66.5344, 56.1188



39.2987, 66.5344, 49.8009



84.9788, 66.5344, 153.7183

Square

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



39.2987, 66.5344, 49.8009



54.7388, 66.5344, 184.8995



95.3385, 66.5344, 101.0835



72.5764, 66.5344, 18.4090

Rectangle

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



39.2987, 66.5344, 49.8009



41.6077, 66.5344, 126.8650



95.3385, 66.5344, 101.0835



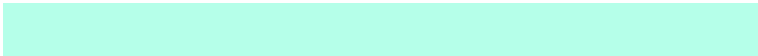
91.3069, 66.5344, 36.3530

Sweetspot

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



39.3005, 66.5370, 49.8025



69.5178, 87.2258, 90.1692



34.9578, 65.1534, 10.9642



14.2561, 18.3598, 18.7563



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.



39.3005, 66.5370, 49.8025



43.8669, 74.7628, 54.6104



35.6905, 45.5875, 90.9256



16.0342, 17.8437, 19.2028



20.9979, 35.6912, 26.4357



1.7905, 2.9866, 2.4291

Inverse Universe

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



38.0830, 19.6030, 8.9916



42.5548, 21.7859, 8.8535



38.0214, 21.6119, 2.3984



15.9674, 15.8367, 17.3846



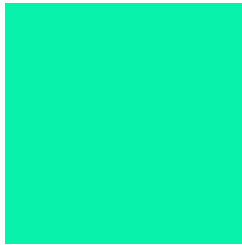
20.3594, 10.4162, 4.5434



1.7360, 0.8834, 0.6006

Previews

White Background



This preview shows how the XYZ color 39.2987, 66.5344, 49.8009 looks on a white background.

Color Contrast Check

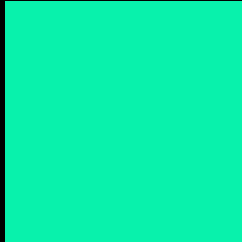
Large Text (above 18pt) WCAG AA × Fail

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 39.2987, 66.5344, 49.8009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

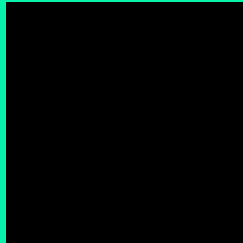
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

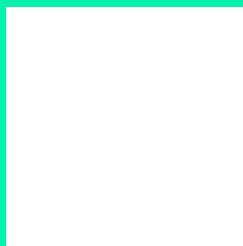
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.2987, 66.5344, 49.8009

Background



This preview shows how black text looks on a background with the XYZ color 39.2987, 66.5344, 49.8009.

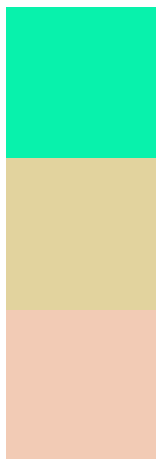


This preview shows how white text looks on a background with the XYZ color 39.2987, 66.5344,

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

39.2987, 66.5344, 49.8009

Protanopia

60.8299, 65.2259, 41.7315

Deuteranopia

66.3144, 64.9253, 52.7528



Tritanopia

49.6625, 66.4276, 101.4711

Trichromacy



Original Color

39.2987, 66.5344, 49.8009



Protanomaly

44.7648, 61.0899, 44.0825



Deuteranomaly

46.7534, 60.0082, 51.2381



Tritanomaly

44.7016, 66.0491, 79.5000

Monochromacy



Original Color

39.2987, 66.5344, 49.8009



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.8881, 43.6151, 43.2971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2987, 66.5344, 49.8009 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(8, 242, 172)` looks like.

```
.text, #text, p{  
    color:rgb(8, 242, 172)  
}
```

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(8, 242, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 242, 172) }
```

Border

The CSS property to change the border of an element to XYZ 39.2987, 66.5344, 49.8009 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(8, 242, 172) }
```


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

```
.border{ border-color:rgb(8, 242, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 242, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 242, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 242, 172);  
box-shadow:4px 4px 4px 4px rgb(8, 242,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2987, 66.5344, 49.8009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 242, 172) }
```

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

```
.background{ background-color: rgb(8, 242,  
172) }
```

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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