

Converting Colors

XYZ(14.0049, 8.9851, 33.3241)

Have a look what the booklet for
XYZ(14.0049, 8.9851, 33.3241)
contains.

XYZ(14.0246, 8.9943, 33.3446)	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(14.0246, 8.9943,
33.3446)**

Conversions

Conversions Part 1

Format	Color
Hex	6C3D9E
RGB	108, 61, 158
RGB Percent	42%, 24%, 62%
CMY	0.5765, 0.7608, 0.3804
CMYK	0.32, 0.61, 0.00, 0.38
HSL	269°, 44%, 43%
HSV	269°, 61%, 62%
XYZ	14.0246, 8.9943, 33.3446
YIQ	86.1110, -3.1250, 40.1310

Conversions

Conversions Part 2

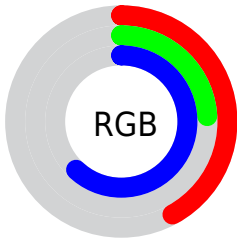
Format	Color
R _Y B	108, 61, 158
Decimal	7093662
CIE Lab	35.97, 40.19, -45.20
CIE LCh	36, 60.483, 311.642
Yxy	8.9943, 0.2488, 0.1596
Android (android.graphics.Color)	4285283742 (0xFF6C3D9E)
YUV	86.1110, 35.4413, 19.1967
Hunter-Lab	29.9905, 30.9894, -44.9276

Details

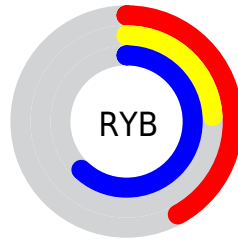
The XYZ color **14.0246, 8.9943, 33.3446** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **19.6250, 28.1703, 8.8183**, and the grayscale version is **8.7969, 9.2551, 10.0788**.

A 20% lighter version of the original color is **32.7989, 23.9595, 65.8467**, and **4.2967, 2.0922, 13.8130** is the 20% darker color. If you saturate the color by 10%, you get **12.3575, 7.0621, 33.0597**, and if you desaturate by 10%, it is **16.0335, 11.4718, 33.7171**.

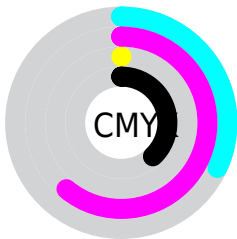
Distribution



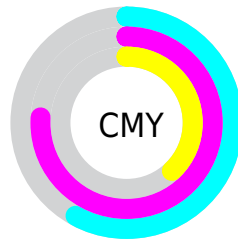
- Red (42%)
- Green (24%)
- Blue (62%)



- Red (42%)
- Yellow (24%)
- Blue (62%)



- Cyan (32%)
- Magenta (61%)
- Yellow (0%)
- Black (38%)



- Cyan (58%)
- Magenta (76%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0246, 8.9943, 33.3446 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 14.0246, 8.9943, 33.3446 by changing the saturation by 10% instead.

■ 14.0246, 8.9943,
33.3446

■ 14.0246, 8.9943,
33.3446

210.8914,
183.3354, 331.8792

■ 8.2196, 4.7375,
22.1173

■ 32.7186, 23.8858,
66.0354

■ 4.2888, 2.0941,
13.7440

■ 46.3382, 35.2893,
88.3359

■ 1.8668, 0.6613,
7.8061

■ 63.2935, 49.8439,
115.1646

■ 0.5574, 0.0000,
3.8851

■ 83.9498, 67.9338,
146.9399

■ 0.0000, 0.0000,
1.5625

■ 108.6723, 89.9435,
184.0806

■ 0.0000, 0.0000,
0.2639

■ 137.8265,

■ 0.0000, 0.0000,

116.2574, 227.0049

0.0000

171.7777,
147.2599, 276.1316

■ 14.0246, 8.9943,
33.3446

■ 14.0246, 8.9943,
33.3446

■ 12.3575, 7.0621,
33.0597

■ 16.0335, 11.4718,
33.7171

■ 11.0059, 5.6278,
32.8541

■ 18.4053, 14.5345,
34.1832

■ 9.9410, 4.6371,
32.7190

■ 21.1605, 18.2195,
34.7493

■ 9.1965, 4.0281,
32.6407

■ 24.3177, 22.5606,
35.4208

■ 27.8940, 27.5891,
36.2029

■ 31.9057, 33.3341,
37.1004

■ 36.3681, 39.8232,
38.1177

■ 41.2956, 47.0824,
39.2592

■ 46.7020, 55.1364,
40.5288

Harmonies

Analogous

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



10.0237, 8.9943, 44.8850



14.0246, 8.9943, 33.3446



16.9485, 8.9943, 17.4606

Triad

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



14.0246, 8.9943, 33.3446



10.9203, 8.9943, 0.3228



3.4023, 8.9943, 14.3649

Complementary

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



14.0246, 8.9943, 33.3446



19.6250, 28.1703, 8.8183

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.



3.5171, 8.9943, 4.7813



14.0246, 8.9943, 33.3446



7.2262, 8.9943, 0.1946

Square

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



14.0246, 8.9943, 33.3446



14.8376, 8.9943, 1.6427



4.7239, 8.9943, 1.1921



4.3481, 8.9943, 29.7636

Rectangle

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



14.0246, 8.9943, 33.3446



17.5061, 8.9943, 9.2358



4.7239, 8.9943, 1.1921



3.3273, 8.9943, 10.3727

Sweetspot

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



14.0250, 8.9946, 33.3448



46.0526, 43.6107, 64.7339



13.7935, 14.8555, 34.4883



9.9934, 9.2887, 14.5098



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.0250, 8.9946, 33.3448



21.3794, 11.6646, 59.8681



21.6251, 12.9126, 33.7005



6.5753, 6.5850, 8.3312



7.4107, 3.2494, 26.1438



0.1812, 0.0832, 0.4697

Inverse Universe

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



18.6388, 11.7546, 16.3257



31.1104, 17.4908, 23.7423



15.0949, 25.8350, 8.6063



6.7686, 6.7004, 7.6327



12.5160, 6.3109, 6.9680



0.2451, 0.1214, 0.2370

Previews

White Background



This preview shows how the XYZ color 14.0246, 8.9943, 33.3446 looks on a white 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

Black Background



This preview shows how the XYZ color 14.0246, 8.9943, 33.3446 looks on a black 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

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

XYZ 14.0246, 8.9943, 33.3446

Background



This preview shows how black text looks on a background with the XYZ color 14.0246, 8.9943, 33.3446.



This preview shows how white text looks on a background with the XYZ color 14.0246, 8.9943,

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

14.0246, 8.9943, 33.3446

Protanopia

10.6573, 9.0906, 41.2374

Deuteranopia

9.2435, 9.0411, 31.3949



Tritanopia

9.4232, 9.0223, 10.4773

Trichromacy



Original Color

14.0246, 8.9943, 33.3446

Protanomaly

10.3534, 8.1560, 38.0744

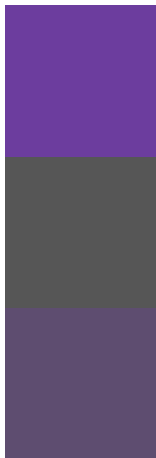
Deuteranomaly

9.7892, 8.3027, 32.0970

Tritanomaly

10.6849, 8.7991, 16.7580

Monochromacy



Original Color

14.0246, 8.9943, 33.3446

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.1946, 8.8573, 16.5015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0246, 8.9943, 33.3446 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(108, 61, 158)` looks like.

```
.text, #text, p{  
    color:rgb(108, 61, 158)  
}
```

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(108, 61, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 61, 158) }
```

Border

The CSS property to change the border of an element to XYZ 14.0246, 8.9943, 33.3446 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(108, 61, 158) }
```


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

```
.border{ border-color:rgb(108, 61, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 61, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 61, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 61, 158);  
box-shadow:4px 4px 4px 4px rgb(108, 61,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0246, 8.9943, 33.3446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 61, 158) }
```

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

```
.background{ background-color: rgb(108, 61,  
158) }
```

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