

Converting Colors

XYZ(14.9686, 22.1453, 22.0622)

Have a look what the booklet for
XYZ(14.9686, 22.1453, 22.0622)
contains.

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Color

**XYZ(14.9646, 22.1066,
22.2172)**

Conversions

Conversions Part 1

Format	Color
Hex	34907B
RGB	52, 144, 123
RGB Percent	20%, 56%, 48%
CMY	0.7961, 0.4353, 0.5176
CMYK	0.64, 0.00, 0.15, 0.44
HSL	166°, 47%, 38%
HSV	166°, 64%, 56%
XYZ	14.9646, 22.1066, 22.2172
YIQ	114.0980, -48.0910, -26.0350

Conversions

Conversions Part 2

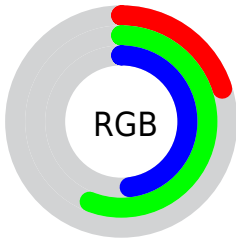
Format	Color
RYB	52, 104, 144
Decimal	3444859
CIELab	54.14, -32.34, 3.19
CIELCh	54, 32.495, 174.372
Yxy	22.1066, 0.2524, 0.3729
Android (android.graphics.Color)	4281634939 (0xFF34907B)
YUV	114.0980, 4.3887, -54.4599
Hunter-Lab	47.0177, -25.4686, 4.8961

Details

The XYZ color **14.9646, 22.1066, 22.2172** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.9329, 8.8670, 7.2814**, and the grayscale version is **16.0218, 16.8562, 18.3564**.

A 20% lighter version of the original color is **34.2386, 46.7345, 47.7735**, and **5.1504, 8.3231, 7.8136** is the 20% darker color. If you saturate the color by 10%, you get **14.1312, 21.7009, 21.1223**, and if you desaturate by 10%, it is **16.0323, 22.6334, 23.3601**.

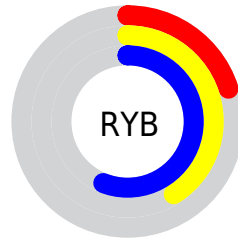
Distribution



Red (20%)

Green (56%)

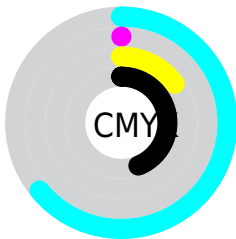
Blue (48%)



Red (20%)

Yellow (41%)

Blue (56%)

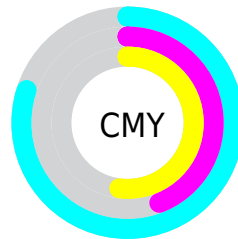


Cyan (64%)

Magenta (0%)

Yellow (15%)

Black (44%)



Cyan (80%)

Magenta (44%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9646, 22.1066, 22.2172 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 14.9646, 22.1066, 22.2172 by changing the saturation by 10% instead.

■ 14.9646, 22.1066,
22.2172

■ 14.9646, 22.1066,
22.2172

216.5445,
263.1025, 276.6689

■ 8.8807, 13.9352,
13.8167

■ 34.3632, 46.9221,
48.0115

■ 4.7199, 8.0756,
7.8560

■ 48.4087, 64.3351,
66.2424

■ 2.1169, 4.1434,
3.9165

■ 65.8387, 85.5974,
88.5873

■ 0.6984, 1.7541,
1.5797

■ 87.0186, 111.0934,
115.4645

■ 0.0000, 0.4583,
0.2762

■ 112.3138,
141.2075, 147.2928

■ 0.0000, 0.0000,
0.0000

■ 142.0896,

176.3241, 184.4906

176.7114,
216.8276, 227.4764

■ 14.9646, 22.1066,
22.2172

■ 14.9646, 22.1066,
22.2172

■ 14.1312, 21.7009,
21.1223

■ 16.0323, 22.6334,
23.3601

■ 13.5089, 21.4027,
20.0726

■ 17.3511, 23.2882,
24.5507

■ 13.0723, 21.1994,
19.0669

■ 18.9384, 24.0808,
25.7906

■ 12.8500, 21.0978,
18.4714

■ 20.8096, 25.0188,
27.0809

■ 22.9788, 26.1096,
28.4225

■ 25.4592, 27.3600,
29.8165

■ 28.2631, 28.7763,
31.2637

■ 31.4023, 30.3646,
32.7650

■ 34.8878, 32.1307,
34.3212

Harmonies

Analogous

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



15.9717, 22.1066, 14.4442



14.9646, 22.1066, 22.2172



15.4247, 22.1066, 32.9982

Triad

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



14.9646, 22.1066, 22.2172



23.9334, 22.1066, 46.4239



25.2106, 22.1066, 11.4926

Complementary

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



14.9646, 22.1066, 22.2172



13.9329, 8.8670, 7.2814

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.



27.8070, 22.1066, 16.9182



14.9646, 22.1066, 22.2172



27.0138, 22.1066, 37.2349

Square

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



14.9646, 22.1066, 22.2172



20.3542, 22.1066, 49.0046



28.5012, 22.1066, 26.0237



21.6831, 22.1066, 9.4636

Rectangle

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



14.9646, 22.1066, 22.2172



16.5312, 22.1066, 40.3493



28.5012, 22.1066, 26.0237



26.2363, 22.1066, 12.8911

Sweetspot

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



14.9652, 22.1075, 22.2177



38.3560, 44.9569, 48.8156



13.3770, 21.6301, 6.7193



8.5749, 10.1986, 11.0552



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



14.9652, 22.1075, 22.2177



24.3644, 38.0048, 36.3750



13.1034, 16.0495, 28.7937



5.5083, 6.0956, 6.6426



11.1988, 18.3754, 16.1329



0.1154, 0.1790, 0.1980

Inverse Universe

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



13.9329, 8.8670, 7.2814



22.4317, 12.6876, 8.0196



14.7435, 11.4207, 4.6767



5.4562, 5.4430, 5.9003



10.2612, 5.2615, 1.7608



0.1053, 0.0532, 0.0549

Previews

White Background



This preview shows how the XYZ color 14.9646, 22.1066, 22.2172 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9646, 22.1066, 22.2172 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 × Fail

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

XYZ 14.9646, 22.1066, 22.2172

Background



This preview shows how black text looks on a background with the XYZ color 14.9646, 22.1066, 22.2172.

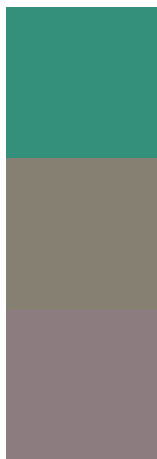


This preview shows how white text looks on a background with the XYZ color 14.9646, 22.1066,

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

14.9646, 22.1066, 22.2172

Protanopia

20.6452, 21.7445, 19.3286

Deuteranopia

22.0229, 21.6103, 23.0892



Tritanopia

17.0784, 22.0805, 32.6400

Trichromacy



Original Color

14.9646, 22.1066, 22.2172

Protanomaly

17.5040, 21.3013, 20.3285

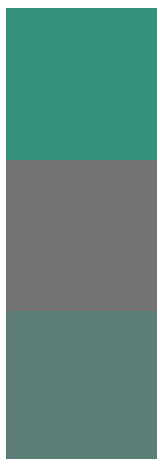
Deuteranomaly

18.1889, 20.9902, 22.8315

Tritanomaly

16.1961, 21.9335, 28.5793

Monochromacy



Original Color

14.9646, 22.1066, 22.2172

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.8589, 18.1757, 19.5547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9646, 22.1066, 22.2172 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(52, 144, 123)` looks like.

```
.text, #text, p{  
    color:rgb(52, 144, 123)  
}
```

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(52, 144, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 144, 123) }
```

Border

The CSS property to change the border of an element to XYZ 14.9646, 22.1066, 22.2172 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(52, 144, 123) }
```


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

```
.border{ border-color:rgb(52, 144, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 144, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 144, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 144, 123);  
box-shadow:4px 4px 4px 4px rgb(52, 144,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9646, 22.1066, 22.2172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 144, 123) }
```

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

```
.background{ background-color: rgb(52, 144,  
123) }
```

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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