

Converting Colors

XYZ(13.9898, 17.3679, 29.0003)

Have a look what the booklet for
XYZ(13.9898, 17.3679, 29.0003)
contains.

XYZ(13.9866, 17.3285, 28.9931)	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(13.9866, 17.3285,
28.9931)**

Conversions

Conversions Part 1

Format	Color
Hex	3A7C90
RGB	58, 124, 144
RGB Percent	23%, 49%, 56%
CMY	0.7725, 0.5137, 0.4353
CMYK	0.60, 0.14, 0.00, 0.44
HSL	194°, 43%, 40%
HSV	194°, 60%, 56%
XYZ	13.9866, 17.3285, 28.9931
YIQ	106.5460, -45.7560, -7.7720

Conversions

Conversions Part 2

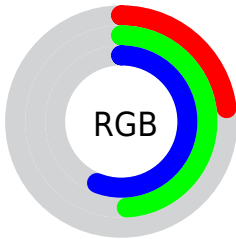
Format	Color
RYB	58, 95, 144
Decimal	3832976
CIELab	48.67, -14.78, -17.17
CIELCh	49, 22.654, 229.270
Yxy	17.3285, 0.2319, 0.2873
Android (android.graphics.Color)	4282023056 (0xFF3A7C90)
YUV	106.5460, 18.4648, -42.5748
Hunter-Lab	41.6275, -12.8732, -12.1556

Details

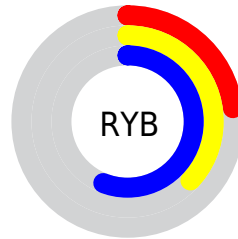
The XYZ color **13.9866, 17.3285, 28.9931** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.9901, 11.6840, 5.4686**, and the grayscale version is **13.8099, 14.5291, 15.8222**.

A 20% lighter version of the original color is **32.7252, 39.0322, 59.2352**, and **4.5365, 5.8403, 11.4779** is the 20% darker color. If you saturate the color by 10%, you get **12.8512, 16.1310, 28.8221**, and if you desaturate by 10%, it is **15.3716, 18.6765, 29.1806**.

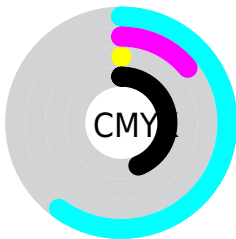
Distribution



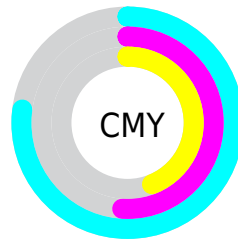
- Red (23%)
- Green (49%)
- Blue (56%)



- Red (23%)
- Yellow (37%)
- Blue (56%)



- Cyan (60%)
- Magenta (14%)
- Yellow (0%)
- Black (44%)



- Cyan (77%)
- Magenta (51%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9866, 17.3285, 28.9931 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 13.9866, 17.3285, 28.9931 by changing the saturation by 10% instead.

■ 13.9866, 17.3285,
28.9931

■ 13.9866, 17.3285,
28.9931

210.6597,
237.0584, 311.2423

■ 8.1930, 10.4690,
18.8301

■ 32.6517, 38.8897,
59.1082

■ 4.2715, 5.7110,
11.3720

■ 46.2539, 54.3602,
79.8973

■ 1.8569, 2.6702,
6.2003

■ 63.1897, 73.4698,
105.0655

■ 0.5516, 0.9621,
2.8965

■ 83.8244, 96.6029,
135.0314

■ 0.0000, 0.0000,
1.0420

■ 108.5234,
124.1440, 170.2135

■ 0.0000, 0.0000,
0.0000

137.6521,

156.4773, 211.0303

171.5757,
193.9873, 257.9004

■ 13.9866, 17.3285,
28.9931

■ 13.9866, 17.3285,
28.9931

■ 12.8512, 16.1310,
28.8221

■ 15.3716, 18.6765,
29.1806

■ 11.9434, 15.0715,
28.6655

■ 17.0223, 20.1825,
29.3843

■ 11.2403, 14.1383,
28.5224

■ 18.9556, 21.8557,
29.6054

■ 10.6808, 13.2996,
28.3900

■ 21.1862, 23.7040,
29.8446

■ 10.6656, 13.2766,
28.3864

■ 23.7281, 25.7347,
30.1025

■ 26.5940, 27.9545,
30.3800

■ 29.7961, 30.3701,
30.6775

■ 33.3460, 32.9875,
30.9956

■ 37.2546, 35.8125,
31.3348

Harmonies

Analogous

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



12.9630, 17.3285, 22.9232



13.9866, 17.3285, 28.9931



15.7339, 17.3285, 32.5724

Triad

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



13.9866, 17.3285, 28.9931



20.7389, 17.3285, 21.0909



15.1802, 17.3285, 9.9609

Complementary

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



13.9866, 17.3285, 28.9931



14.9901, 11.6840, 5.4686

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.



17.2292, 17.3285, 9.6742



13.9866, 17.3285, 28.9931



20.5590, 17.3285, 15.3213

Square

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



13.9866, 17.3285, 28.9931



19.7044, 17.3285, 27.4103



19.2317, 17.3285, 11.4259



13.6108, 17.3285, 12.3148

Rectangle

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



13.9866, 17.3285, 28.9931



17.1256, 17.3285, 32.6457



19.2317, 17.3285, 11.4259



15.8318, 17.3285, 9.6416

Sweetspot

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



13.9872, 17.3291, 28.9935



37.9402, 42.2726, 52.6978



13.0452, 21.3771, 10.3927



8.4450, 9.4863, 12.0581



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.



13.9872, 17.3291, 28.9935



22.0197, 27.7215, 50.7283



9.8245, 9.0037, 27.6060



5.4554, 5.9066, 6.8813



9.3060, 11.5981, 24.7252



0.1056, 0.1442, 0.2419

Inverse Universe

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



16.6532, 10.4111, 20.2013



27.4345, 15.2907, 32.5078



18.9382, 19.5802, 6.7847



5.5733, 5.4899, 6.5173



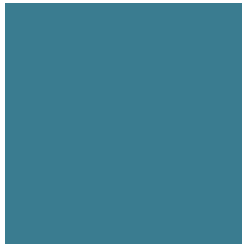
12.5004, 6.1572, 13.5521



0.1279, 0.0622, 0.1739

Previews

White Background



This preview shows how the XYZ color 13.9866, 17.3285, 28.9931 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 × Fail

Black Background



This preview shows how the XYZ color 13.9866, 17.3285, 28.9931 looks on a black 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

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

XYZ 13.9866, 17.3285, 28.9931

Background



This preview shows how black text looks on a background with the XYZ color 13.9866, 17.3285, 28.9931.

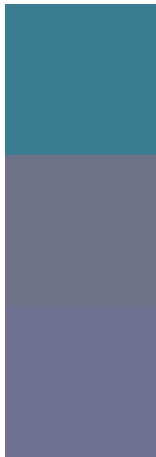


This preview shows how white text looks on a background with the XYZ color 13.9866, 17.3285,

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

13.9866, 17.3285, 28.9931

Protanopia

16.9631, 17.1558, 26.0843

Deuteranopia

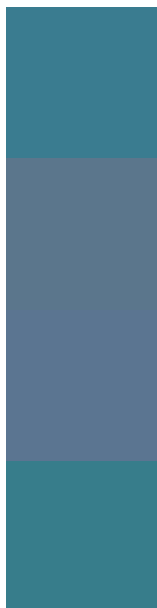
17.5238, 17.2006, 29.5906



Tritanopia

13.2989, 17.2291, 25.9172

Trichromacy



Original Color

13.9866, 17.3285, 28.9931

Protanomaly

15.5264, 17.0745, 27.2883

Deuteranomaly

15.7865, 16.9911, 29.2356

Tritanomaly

13.5694, 17.3435, 27.0586

Monochromacy



Original Color

13.9866, 17.3285, 28.9931

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.4151, 15.2902, 20.0135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9866, 17.3285, 28.9931 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(58, 124, 144)` looks like.

```
.text, #text, p{  
    color:rgb(58, 124, 144)  
}
```

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(58, 124, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 124, 144) }
```

Border

The CSS property to change the border of an element to XYZ 13.9866, 17.3285, 28.9931 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(58, 124, 144) }
```


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

```
.border{ border-color:rgb(58, 124, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 124, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 124, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 124, 144);  
box-shadow:4px 4px 4px 4px rgb(58, 124,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9866, 17.3285, 28.9931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 124, 144) }
```

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

```
.background{ background-color: rgb(58, 124,  
144) }
```

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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