

Converting Colors

XYZ(13.8960, 18.0499, 28.7382)

Have a look what the booklet for
XYZ(13.8960, 18.0499, 28.7382)
contains.

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Color

**XYZ(13.8960, 18.0499,
28.7382)**

Conversions

Conversions Part 1

Format	Color
Hex	30808F
RGB	48, 128, 143
RGB Percent	19%, 50%, 56%
CMY	0.8117, 0.4980, 0.4392
CMYK	0.66, 0.10, 0.00, 0.44
HSL	189°, 50%, 37%
HSV	189°, 66%, 56%
XYZ	13.8960, 18.0499, 28.7382
YIQ	105.7900, -52.4950, -12.2950

Conversions

Conversions Part 2

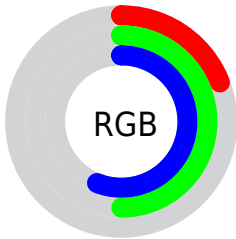
Format	Color
R _Y B	48, 91, 143
Decimal	3178639
CIE Lab	49.56, -19.17, -15.26
CIE LCh	50, 24.503, 218.528
Yxy	18.0499, 0.2290, 0.2974
Android (android.graphics.Color)	4281368719 (0xFF30808F)
YUV	105.7900, 18.3445, -50.6818
Hunter-Lab	42.4852, -15.9655, -10.3658

Details

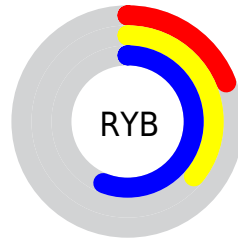
The XYZ color **13.8960, 18.0499, 28.7382** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.6391, 9.6085, 3.9326**, and the grayscale version is **13.6045, 14.3130, 15.5868**.

A 20% lighter version of the original color is **32.5458, 40.1431, 58.8564**, and **4.7718, 6.3823, 11.3363** is the 20% darker color. If you saturate the color by 10%, you get **13.0362, 17.1747, 28.6149**, and if you desaturate by 10%, it is **14.9810, 19.0517, 28.8747**.

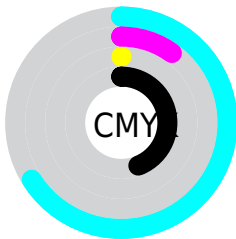
Distribution



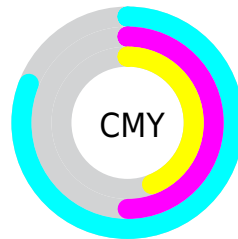
- Red (19%)
- Green (50%)
- Blue (56%)



- Red (19%)
- Yellow (36%)
- Blue (56%)



- Cyan (66%)
- Magenta (10%)
- Yellow (0%)
- Black (44%)



- Cyan (81%)
- Magenta (50%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8960, 18.0499, 28.7382 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 13.8960, 18.0499, 28.7382 by changing the saturation by 10% instead.

■ 13.8960, 18.0499,
28.7382

■ 13.8960, 18.0499,
28.7382

■ 210.1065,
241.1522, 309.9999

■ 8.1296, 10.9858,
18.6390

■ 32.4922, 40.1223,
58.6981

■ 4.2305, 6.0573,
11.2355

■ 46.0527, 55.8995,
79.3959

■ 1.8333, 2.8800,
6.1093

■ 62.9419, 75.3498,
104.4635

■ 0.5376, 1.0694,
2.8418

■ 83.5252, 98.8576,
134.3197

■ 0.0000, 0.0000,
1.0144

■ 108.1680,
126.8073, 169.3829

■ 0.0000, 0.0000,
0.0000

■ 137.2355,

159.5834, 210.0716

171.0932,
197.5702, 256.8044

■ 13.8960, 18.0499,
28.7382

■ 13.8960, 18.0499,
28.7382

■ 13.0362, 17.1747,
28.6149

■ 14.9810, 19.0517,
28.8747

■ 12.3780, 16.4127,
28.5025

■ 16.3084, 20.1879,
29.0241

■ 11.8871, 15.7465,
28.3998

■ 17.8957, 21.4679,
29.1875

■ 11.7254, 15.5180,
28.3642

■ 19.7582, 22.8997,
29.3657

■ 21.9101, 24.4906,
29.5593

■ 24.3645, 26.2476,
29.7691

■ 27.1338, 28.1770,
29.9955

■ 30.2296, 30.2848,
30.2392

■ 33.6630, 32.5769,
30.5007

Harmonies

Analogous

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



13.1100, 18.0499, 21.6102



13.8960, 18.0499, 28.7382



15.5735, 18.0499, 34.1085

Triad

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



13.8960, 18.0499, 28.7382



21.6532, 18.0499, 24.7130



16.5026, 18.0499, 9.5293

Complementary

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



13.8960, 18.0499, 28.7382



13.6391, 9.6085, 3.9326

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.



18.8420, 18.0499, 9.9971



13.8960, 18.0499, 28.7382



21.9588, 18.0499, 17.8182

Square

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



13.8960, 18.0499, 28.7382



20.0887, 18.0499, 31.4439



20.8895, 18.0499, 12.7185



14.5234, 18.0499, 11.2541

Rectangle

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



13.8960, 18.0499, 28.7382



17.0415, 18.0499, 35.3995



20.8895, 18.0499, 12.7185



17.2708, 18.0499, 9.4450

Sweetspot

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



13.8966, 18.0506, 28.7386



37.6349, 42.6860, 52.7937



11.9182, 20.6243, 7.9468



8.4086, 9.6246, 12.0868



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.



13.8966, 18.0506, 28.7386



22.6830, 30.0149, 51.1360



9.1384, 8.5343, 27.1526



5.4888, 5.9733, 6.8924



10.3798, 13.7456, 25.0832



0.1118, 0.1566, 0.2440

Inverse Universe

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



16.2814, 9.5126, 21.4008



27.5333, 14.4268, 35.8136



17.4107, 17.1516, 5.1897



5.5902, 5.4966, 6.6059



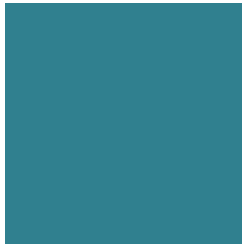
13.0424, 6.3740, 16.4062



0.1311, 0.0635, 0.1903

Previews

White Background



This preview shows how the XYZ color 13.8960, 18.0499, 28.7382 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 13.8960, 18.0499, 28.7382 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 13.8960, 18.0499, 28.7382

Background



This preview shows how black text looks on a background with the XYZ color 13.8960, 18.0499, 28.7382.



This preview shows how white text looks on a background with the XYZ color 13.8960, 18.0499,

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

13.8960, 18.0499, 28.7382

Protanopia

17.5580, 17.8175, 25.4354

Deuteranopia

18.2585, 17.9142, 29.6896



Tritanopia

13.6372, 18.1454, 27.2098

Trichromacy



Original Color

13.8960, 18.0499, 28.7382

Protanomaly

15.5204, 17.4416, 26.5933

Deuteranomaly

16.0438, 17.6509, 29.3494

Tritanomaly

13.7562, 18.1983, 27.5985

Monochromacy



Original Color

13.8960, 18.0499, 28.7382

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.0934, 15.2978, 19.7154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8960, 18.0499, 28.7382 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(48, 128, 143)` looks like.

```
.text, #text, p{  
    color:rgb(48, 128, 143)  
}
```

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(48, 128, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 128, 143) }
```

Border

The CSS property to change the border of an element to XYZ 13.8960, 18.0499, 28.7382 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(48, 128, 143) }
```


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

```
.border{ border-color:rgb(48, 128, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 128, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 128, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 128, 143);  
box-shadow:4px 4px 4px 4px rgb(48, 128,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8960, 18.0499, 28.7382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 128, 143) }
```

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

```
.background{ background-color: rgb(48, 128,  
143) }
```

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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