

Converting Colors

XYZ(4.7754, 13.7986, 27.8269)

Have a look what the booklet for
XYZ(4.7754, 13.7986, 27.8269)
contains.

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Color

**XYZ(12.8651, 17.9183,
28.3717)**

Conversions

Conversions Part 1

Format	Color
Hex	00828E
RGB	0, 130, 142
RGB Percent	0%, 51%, 56%
CMY	0.9999, 0.4902, 0.4431
CMYK	1.00, 0.08, 0.00, 0.44
HSL	185°, 100%, 28%
HSV	185°, 100%, 56%
XYZ	12.8651, 17.9183, 28.3717
YIQ	92.4980, -81.3320, -23.8280

Conversions

Conversions Part 2

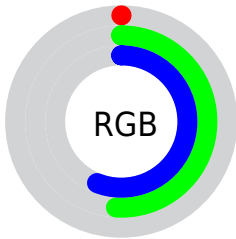
Format	Color
RYB	0, 68, 142
Decimal	33422
CIELab	49.40, -25.16, -14.99
CIELCh	49, 29.289, 210.784
Yxy	17.9183, 0.2175, 0.3029
Android (android.graphics.Color)	4278223502 (0xFF00828E)
YUV	92.4980, 24.4045, -81.1207
Hunter-Lab	42.3300, -19.8271, -10.1081

Details

The XYZ color **12.8651, 17.9183, 28.3717** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.2872, 6.0142, 0.5664**, and the grayscale version is **10.2478, 10.7815, 11.7411**.

A 20% lighter version of the original color is **30.6436, 39.7838, 58.2885**, and **4.8004, 6.5100, 11.1288** is the 20% darker color. If you saturate the color by 10%, you get **12.8653, 17.9185, 28.3721**, and if you desaturate by 10%, it is **13.2105, 18.3351, 28.4343**.

Distribution



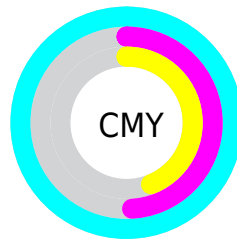
- Red (0%)
- Green (51%)
- Blue (56%)



- Red (0%)
- Yellow (27%)
- Blue (56%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (49%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8651, 17.9183, 28.3717 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 12.8651, 17.9183, 28.3717 by changing the saturation by 10% instead.

12.8651, 17.9183,
28.3717

12.8651, 17.9183,
28.3717

203.7064,
240.4101, 308.2064

7.4121, 10.8913,
18.3646

30.6646, 39.8981,
58.1076

3.7697, 5.9938,
11.0399

43.7418, 55.6197,
78.6734

1.5727, 2.8413,
5.9792

60.0911, 75.0083,
103.5958

0.3745, 1.0495,
2.7638

80.0778, 98.4483,
133.2934

0.0000, 0.0000,
0.9753

104.0674,
126.3241, 168.1847

0.0000, 0.0000,
0.0000

132.4251,

159.0200, 208.6883

165.5163,
196.9206, 255.2227

■ 12.8651, 17.9183,
28.3717

■ 12.8651, 17.9183,
28.3717

■ 12.8653, 17.9185,
28.3721

■ 13.2105, 18.3351,
28.4343

■ 13.6788, 18.8176,
28.5027

■ 14.3330, 19.3988,
28.5804

■ 15.1959, 20.0903,
28.6684

■ 16.2868, 20.9022,
28.7676

■ 17.6230, 21.8434,
28.8789

■ 19.2201, 22.9218,
29.0029

■ 21.0924, 24.1449,
29.1403

■ 23.2529, 25.5195,
29.2917

Harmonies

Analogous

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



12.2550, 17.9183, 19.7188



12.8651, 17.9183, 28.3717



14.5688, 17.9183, 36.0154

Triad

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



12.8651, 17.9183, 28.3717



22.0971, 17.9183, 27.9115



16.9582, 17.9183, 7.9144

Complementary

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



12.8651, 17.9183, 28.3717



11.2872, 6.0142, 0.5664

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.



19.7556, 17.9183, 9.0214



12.8651, 17.9183, 28.3717



22.9096, 17.9183, 19.3026

Square

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



12.8651, 17.9183, 28.3717



19.8949, 17.9183, 35.7031



22.0107, 17.9183, 12.7173



14.4557, 17.9183, 9.1465

Rectangle

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



12.8651, 17.9183, 28.3717



16.1947, 17.9183, 38.6943



22.0107, 17.9183, 12.7173



17.8952, 17.9183, 8.0217

Sweetspot

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



12.8657, 17.9189, 28.3721



33.6995, 40.2918, 51.1288



9.7388, 19.3725, 3.5690



7.2850, 8.8374, 11.4013



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.8657, 17.9189, 28.3721



22.6281, 31.4804, 50.0116



6.4558, 5.0993, 26.2355



5.5218, 6.0395, 6.9035



11.5575, 16.1009, 25.4757



0.1179, 0.1688, 0.2460

Inverse Universe

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



15.1851, 7.3630, 21.7407



26.7472, 12.9713, 38.1810



14.2367, 11.9131, 1.5496



5.6069, 5.5033, 6.6938



13.6368, 6.6117, 19.5364



0.1341, 0.0647, 0.2065

Previews

White Background



This preview shows how the XYZ color 12.8651, 17.9183, 28.3717 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 12.8651, 17.9183, 28.3717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

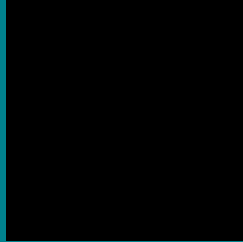
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.8651, 17.9183, 28.3717

Background



This preview shows how black text looks on a background with the XYZ color 12.8651, 17.9183, 28.3717.

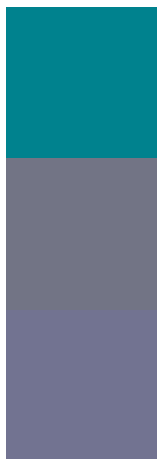


This preview shows how white text looks on a background with the XYZ color 12.8651, 17.9183,

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

12.8651, 17.9183, 28.3717

Protanopia

17.4185, 17.7616, 24.7006

Deuteranopia

18.1810, 17.8832, 29.2816

Trichromacy



Original Color

12.8651, 17.9183, 28.3717

Protanomaly

14.0290, 16.8688, 25.8091

Deuteranomaly

14.4982, 16.8630, 28.8763

Monochromacy



Original Color

12.8651, 17.9183, 28.3717

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.8269, 12.3856, 16.9116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8651, 17.9183, 28.3717 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(0, 130, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 142)  
}
```

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(0, 130, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 142) }
```

Border

The CSS property to change the border of an element to XYZ 12.8651, 17.9183, 28.3717 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(0, 130, 142) }
```

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

```
.border{ border-color:rgb(0, 130, 142) }
```

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

Here you see how a box with a 4 pixel rgb(0, 130, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
142) }
```


Background

The CSS property to change the background color of an element to XYZ 12.8651, 17.9183, 28.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 142) }
```

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

```
.background{ background-color: rgb(0, 130,  
142) }
```

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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