

Converting Colors

XYZ(5.1069, 13.2321, 27.7219)

Have a look what the booklet for
XYZ(5.1069, 13.2321, 27.7219)
contains.

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Color

**XYZ(12.3433, 16.8747,
28.1978)**

Conversions

Conversions Part 1

Format	Color
Hex	007E8E
RGB	0, 126, 142
RGB Percent	0%, 49%, 56%
CMY	0.9999, 0.5059, 0.4431
CMYK	1.00, 0.11, 0.00, 0.44
HSL	187°, 100%, 28%
HSV	187°, 100%, 56%
XYZ	12.3433, 16.8747, 28.1978
YIQ	90.1500, -80.2320, -21.7360

Conversions

Conversions Part 2

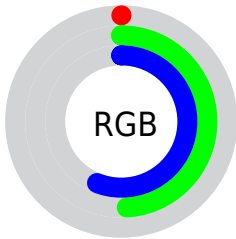
Format	Color
RYB	0, 67, 142
Decimal	32398
CIELab	48.10, -23.10, -16.96
CIELCh	48, 28.657, 216.290
Yxy	16.8747, 0.2150, 0.2939
Android (android.graphics.Color)	4278222478 (0xFF007E8E)
YUV	90.1500, 25.5621, -79.0615
Hunter-Lab	41.0788, -18.2526, -11.9433

Details

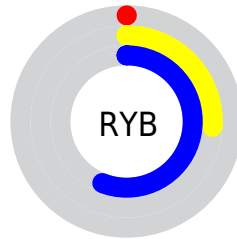
The XYZ color **12.3433, 16.8747, 28.1978** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **11.3411, 6.1219, 0.5844**, and the grayscale version is **9.7105, 10.2162, 11.1254**.

A 20% lighter version of the original color is **29.7401, 38.1105, 58.0132**, and **4.5856, 6.0805, 11.0572** is the 20% darker color. If you saturate the color by 10%, you get **12.3434, 16.8747, 28.1981**, and if you desaturate by 10%, it is **12.7344, 17.3828, 28.2756**.

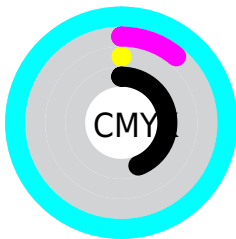
Distribution



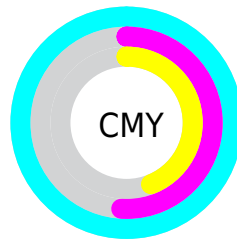
- Red (0%)
- Green (49%)
- Blue (56%)



- Red (0%)
- Yellow (26%)
- Blue (56%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (51%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3433, 16.8747, 28.1978 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 12.3433, 16.8747, 28.1978 by changing the saturation by 10% instead.

12.3433, 16.8747,
28.1978

12.3433, 16.8747,
28.1978

200.3888,
234.4493, 307.3525

7.0518, 10.1452,
18.2345

29.7303, 38.1102,
57.8270

3.5411, 5.4953,
10.9473

42.5565, 53.3850,
78.3299

1.4460, 2.5407,
5.9177

58.6250, 72.2770,
103.1831

0.2886, 0.8970,
2.7271

78.3010, 95.1707,
132.8052

0.0000, 0.0000,
0.9570

101.9501,
122.4503, 167.6146

0.0000, 0.0000,
0.0000

129.9375,

154.5004, 208.0300

162.6286,
191.7052, 254.4697

■ 12.3433, 16.8747,
28.1978

■ 12.3433, 16.8747,
28.1978

■ 12.3434, 16.8747,
28.1981

■ 12.7344, 17.3828,
28.2756

■ 13.2498, 17.9596,
28.3598

■ 13.9525, 18.6378,
28.4536

■ 14.8654, 19.4293,
28.5583

■ 16.0077, 20.3441,
28.6746

■ 17.3968, 21.3910,
28.8035

■ 19.0483, 22.5781,
28.9456

■ 20.9763, 23.9129,
29.1016

■ 23.1941, 25.4021,
29.2722

Harmonies

Analogous

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



11.5722, 16.8747, 19.9846



12.3433, 16.8747, 28.1978



14.1147, 16.8747, 34.8124

Triad

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



12.3433, 16.8747, 28.1978



21.0559, 16.8747, 24.7407



15.4983, 16.8747, 7.5141

Complementary

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



12.3433, 16.8747, 28.1978



11.3411, 6.1219, 0.5844

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.



18.1304, 16.8747, 8.1484



12.3433, 16.8747, 28.1978



21.5283, 16.8747, 16.8517

Square

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



12.3433, 16.8747, 28.1978



19.1777, 16.8747, 32.4692



20.4070, 16.8747, 11.1461



13.2627, 16.8747, 9.0935

Rectangle

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



12.3433, 16.8747, 28.1978



15.7182, 16.8747, 36.6450



20.4070, 16.8747, 11.1461



16.3639, 16.8747, 7.4833

Sweetspot

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



12.3438, 16.8753, 28.1982



33.3903, 39.6735, 51.0258



9.7541, 19.3787, 3.6495



7.2080, 8.6834, 11.3756



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.



12.3438, 16.8753, 28.1982



21.6914, 29.6070, 49.6993



6.3365, 4.8606, 26.1958



5.5091, 6.0140, 6.8992



11.0907, 15.1675, 25.3202



0.1156, 0.1641, 0.2453

Inverse Universe

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



14.9217, 7.2576, 20.3537



26.2744, 12.7822, 35.6913



14.4204, 12.2805, 1.6108



5.6004, 5.5007, 6.6600



13.4012, 6.5175, 18.2959



0.1329, 0.0642, 0.2003

Previews

White Background



This preview shows how the XYZ color 12.3433, 16.8747, 28.1978 looks on a white background.

Color Contrast Check

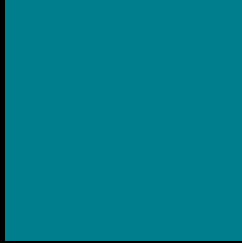
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3433, 16.8747, 28.1978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

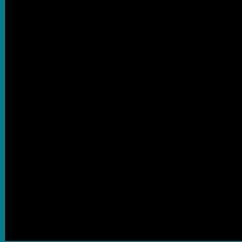
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3433, 16.8747, 28.1978

Background



This preview shows how black text looks on a background with the XYZ color 12.3433, 16.8747, 28.1978.

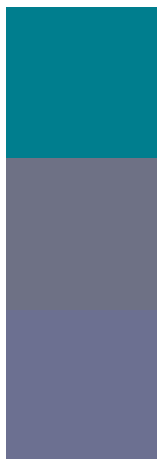


This preview shows how white text looks on a background with the XYZ color 12.3433, 16.8747,

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

12.3433, 16.8747, 28.1978

Protanopia

16.5692, 16.8187, 24.5633

Deuteranopia

17.0893, 16.8208, 29.1341



Tritanopia

12.1047, 16.9849, 26.3073

Trichromacy



Original Color

12.3433, 16.8747, 28.1978

Protanomaly

13.4482, 16.0365, 25.6791

Deuteranomaly

13.8496, 16.0014, 28.7442

Tritanomaly

12.2496, 17.0428, 27.0701

Monochromacy



Original Color

12.3433, 16.8747, 28.1978

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.2979, 11.6745, 16.2313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3433, 16.8747, 28.1978 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, 126, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 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, 126, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 142) }
```

Border

The CSS property to change the border of an element to XYZ 12.3433, 16.8747, 28.1978 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, 126, 142) }
```


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

```
.border{ border-color:rgb(0, 126, 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, 126, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3433, 16.8747, 28.1978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 142) }
```

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

```
.background{ background-color: rgb(0, 126,  
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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