

Converting Colors

XYZ(12.8183, 17.4644, 32.1367)

Have a look what the booklet for
XYZ(12.8183, 17.4644, 32.1367)
contains.

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Color

**XYZ(13.3051, 17.6727,
31.9881)**

Conversions

Conversions Part 1

Format	Color
Hex	008097
RGB	0, 128, 151
RGB Percent	0%, 50%, 59%
CMY	0.9999, 0.4980, 0.4078
CMYK	1.00, 0.15, 0.00, 0.41
HSL	189°, 100%, 30%
HSV	189°, 100%, 59%
XYZ	13.3051, 17.6727, 31.9881
YIQ	92.3500, -83.6710, -19.9830

Conversions

Conversions Part 2

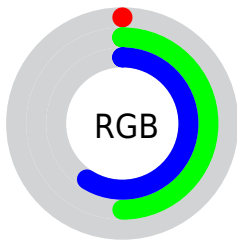
Format	Color
RYB	0, 69, 151
Decimal	32919
CIELab	49.10, -20.97, -20.72
CIELCh	49, 29.483, 224.650
Yxy	17.6727, 0.2113, 0.2807
Android (android.graphics.Color)	4278222999 (0xFF008097)
YUV	92.3500, 28.9145, -80.9909
Hunter-Lab	42.0389, -17.0738, -15.6875

Details

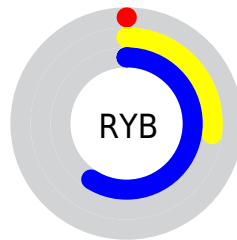
The XYZ color **13.3051, 17.6727, 31.9881** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.0697, 7.1932, 0.7003**, and the grayscale version is **10.2045, 10.7359, 11.6914**.

A 20% lighter version of the original color is **31.3811, 39.4340, 63.7152**, and **5.0962, 6.5121, 13.0449** is the 20% darker color. If you saturate the color by 10%, you get **13.3049, 17.6722, 31.9884**, and if you desaturate by 10%, it is **13.8079, 18.3827, 32.0990**.

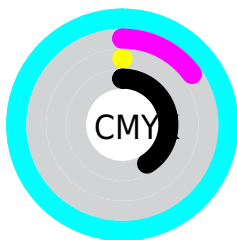
Distribution



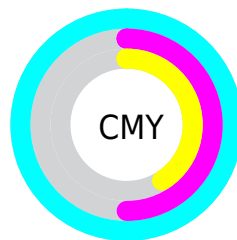
- Red (0%)
- Green (50%)
- Blue (59%)



- Red (0%)
- Yellow (27%)
- Blue (59%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (50%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3051, 17.6727, 31.9881 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 13.3051, 17.6727, 31.9881 by changing the saturation by 10% instead.

■ 13.3051, 17.6727,
31.9881

■ 13.3051, 17.6727,
31.9881

■ 206.4622,
239.0197, 325.5561

■ 7.7174, 10.7153,
21.0877

■ 31.4475, 39.4788,
63.8901

■ 3.9649, 5.8757,
12.9962

■ 44.7329, 55.0963,
85.7288

■ 1.6823, 2.7696,
7.2953

■ 61.3150, 74.3692,
112.0506

■ 0.4452, 1.0127,
3.5662

■ 81.5590, 97.6820,
143.2742

■ 0.0000, 0.0000,
1.3905

■ 105.8304,
125.4191, 179.8179

■ 0.0000, 0.0000,
0.1343

■ 134.4945,

■ 0.0000, 0.0000,

157.9648, 222.1005

0.0000

167.9166,
195.7035, 270.5404

■ 13.3051, 17.6727,
31.9881

■ 13.3051, 17.6727,
31.9881

■ 13.3049, 17.6722,
31.9884

■ 13.8079, 18.3827,
32.0990

■ 14.4612, 19.1802,
32.2185

■ 15.3329, 20.1005,
32.3502

■ 16.4498, 21.1574,
32.4953

■ 17.8346, 22.3628,
32.6550

■ 19.5074, 23.7271,
32.8302

■ 21.4863, 25.2598,
33.0217

■ 23.7881, 26.9694,
33.2304

■ 26.4281, 28.8639,
33.4569

Harmonies

Analogous

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



12.1778, 17.6727, 23.3384



13.3051, 17.6727, 31.9881



15.4344, 17.6727, 37.8829

Triad

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



13.3051, 17.6727, 31.9881



22.4382, 17.6727, 23.5422



15.4935, 17.6727, 7.9841

Complementary

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



13.3051, 17.6727, 31.9881



13.0697, 7.1932, 0.7003

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.



18.2383, 17.6727, 8.0108



13.3051, 17.6727, 31.9881



22.4585, 17.6727, 15.6564

Square

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



13.3051, 17.6727, 31.9881



20.8001, 17.6727, 32.1721



20.8528, 17.6727, 10.4318



13.3442, 17.6727, 10.3451

Rectangle

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



13.3051, 17.6727, 31.9881



17.2303, 17.6727, 38.6594



20.8528, 17.6727, 10.4318



16.3717, 17.6727, 7.7402

Sweetspot

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



13.3057, 17.6733, 31.9885



38.2437, 45.0582, 59.1151



11.2184, 22.1942, 4.4861



8.3676, 9.9924, 13.4052



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.3057, 17.6733, 31.9885



23.7198, 31.4336, 57.2508



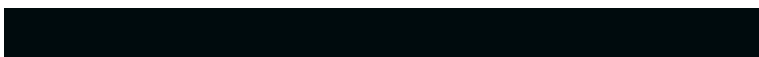
6.8533, 4.7686, 29.8378



6.3044, 6.8662, 7.9220



11.3352, 15.0671, 27.2185



0.1885, 0.2634, 0.4133

Inverse Universe

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



16.6593, 8.1385, 21.1155



29.7793, 14.5521, 37.5270



17.1454, 15.3447, 2.0589



6.4208, 6.3075, 7.5959



14.1802, 6.9263, 18.0060



0.2216, 0.1074, 0.3198

Previews

White Background



This preview shows how the XYZ color 13.3051, 17.6727, 31.9881 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 13.3051, 17.6727, 31.9881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

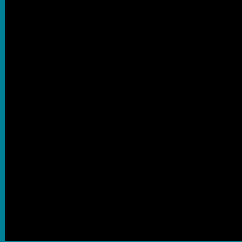
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.3051, 17.6727, 31.9881

Background



This preview shows how black text looks on a background with the XYZ color 13.3051, 17.6727, 31.9881.

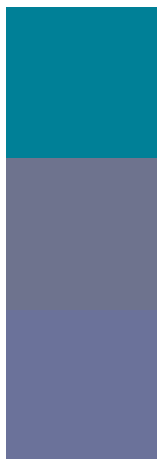


This preview shows how white text looks on a background with the XYZ color 13.3051, 17.6727,

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

13.3051, 17.6727, 31.9881

Protanopia

17.4436, 17.5295, 28.0553

Deuteranopia

17.9135, 17.4935, 33.0043

Trichromacy



Original Color

13.3051, 17.6727, 31.9881

Protanomaly

14.3531, 16.7794, 29.2703

Deuteranomaly

14.7305, 16.7225, 32.5884

Monochromacy



Original Color

13.3051, 17.6727, 31.9881

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.8358, 12.2252, 17.4641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3051, 17.6727, 31.9881 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, 128, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 151)  
}
```

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, 128, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 151) }
```

Border

The CSS property to change the border of an element to XYZ 13.3051, 17.6727, 31.9881 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, 128, 151) }
```

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

```
.border{ border-color:rgb(0, 128, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
151) }
```


Background

The CSS property to change the background color of an element to XYZ 13.3051, 17.6727, 31.9881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 151) }
```

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

```
.background{ background-color: rgb(0, 128,  
151) }
```

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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