

Converting Colors

XYZ(13.2685, 18.3444, 29.6796)

Have a look what the booklet for
XYZ(13.2685, 18.3444, 29.6796)
contains.

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Color

**XYZ(13.2271, 18.2769,
29.6187)**

Conversions

Conversions Part 1

Format	Color
Hex	008391
RGB	0, 131, 145
RGB Percent	0%, 51%, 57%
CMY	0.9999, 0.4863, 0.4314
CMYK	1.00, 0.10, 0.00, 0.43
HSL	186°, 100%, 28%
HSV	186°, 100%, 57%
XYZ	13.2271, 18.2769, 29.6187
YIQ	93.4270, -82.5700, -23.4180

Conversions

Conversions Part 2

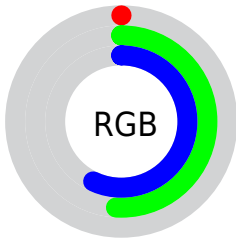
Format	Color
RYB	0, 69, 145
Decimal	33681
CIELab	49.83, -24.64, -16.09
CIELCh	50, 29.431, 213.136
Yxy	18.2769, 0.2164, 0.2990
Android (android.graphics.Color)	4278223761 (0xFF008391)
YUV	93.4270, 25.4255, -81.9355
Hunter-Lab	42.7515, -19.5881, -11.1507

Details

The XYZ color **13.2271, 18.2769, 29.6187** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.8346, 6.3344, 0.5995**, and the grayscale version is **10.4621, 11.0069, 11.9865**.

A 20% lighter version of the original color is **31.2870, 40.3829, 60.1785**, and **5.0080, 6.7111, 11.8579** is the 20% darker color. If you saturate the color by 10%, you get **13.2272, 18.2769, 29.6190**, and if you desaturate by 10%, it is **13.6060, 18.7537, 29.6911**.

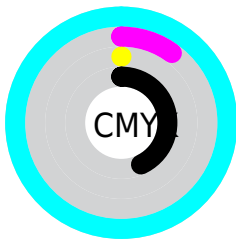
Distribution



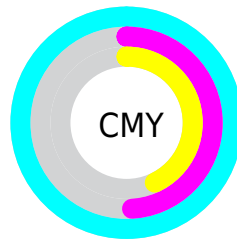
- Red (0%)
- Green (51%)
- Blue (57%)



- Red (0%)
- Yellow (27%)
- Blue (57%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (49%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2271, 18.2769, 29.6187 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 13.2271, 18.2769, 29.6187 by changing the saturation by 10% instead.

■ 13.2271, 18.2769,
29.6187

■ 13.2271, 18.2769,
29.6187

205.9763,
242.4272, 314.2749

■ 7.6632, 11.1490,
19.2998

■ 31.3090, 40.5086,
60.1125

■ 3.9302, 6.1671,
11.7081

■ 44.5578, 56.3811,
81.1245

■ 1.6627, 2.9470,
6.4251

■ 61.0988, 75.9374,
106.5378

■ 0.4328, 1.1041,
3.0323

■ 81.2976, 99.5616,
136.7712

■ 0.0000, 0.0000,
1.1112

■ 105.5193,
127.6384, 172.2430

■ 0.0000, 0.0000,
0.0000

■ 134.1295,

160.5519, 213.3718

167.4934,
198.6867, 260.5763

■ 13.2271, 18.2769,
29.6187

■ 13.2271, 18.2769,
29.6187

■ 13.2272, 18.2769,
29.6190

■ 13.6060, 18.7537,
29.6911

■ 14.1159, 19.3014,
29.7699

■ 14.8213, 19.9537,
29.8587

■ 15.7462, 20.7229,
29.9584

■ 16.9112, 21.6198,
30.0701

■ 18.3343, 22.6536,
30.1947

■ 20.0320, 23.8328,
30.3328

■ 22.0193, 25.1651,
30.4852

■ 24.3101, 26.6578,
30.6526

Harmonies

Analogous

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



12.5141, 18.2769, 20.7595



13.2271, 18.2769, 29.6187



15.0418, 18.2769, 37.1511

Triad

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



13.2271, 18.2769, 29.6187



22.6536, 18.2769, 27.7472



17.0776, 18.2769, 8.0998

Complementary

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



13.2271, 18.2769, 29.6187



11.8346, 6.3344, 0.5995

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.



19.9304, 18.2769, 9.0387



13.2271, 18.2769, 29.6187



23.3471, 18.2769, 19.0654

Square

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



13.2271, 18.2769, 29.6187



20.4971, 18.2769, 35.8817



22.3024, 18.2769, 12.5811



14.5813, 18.2769, 9.5484

Rectangle

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



13.2271, 18.2769, 29.6187



16.7336, 18.2769, 39.5663



22.3024, 18.2769, 12.5811



18.0257, 18.2769, 8.1481

Sweetspot

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



13.2277, 18.2776, 29.6191



35.6643, 42.5374, 54.3044



10.1928, 20.2780, 3.7279



7.6700, 9.2813, 12.0594



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.



13.2277, 18.2776, 29.6191



23.6175, 32.5907, 53.0194



6.7496, 5.3213, 27.4598



5.5164, 6.0286, 6.9016



11.3556, 15.6972, 25.4084



0.1169, 0.1668, 0.2457

Inverse Universe

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



15.7743, 7.6590, 22.1203



28.2131, 13.7010, 39.4260



14.8938, 12.4528, 1.6192



5.6041, 5.5022, 6.6793



13.5349, 6.5710, 18.9999



0.1336, 0.0645, 0.2039

Previews

White Background



This preview shows how the XYZ color 13.2271, 18.2769, 29.6187 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 13.2271, 18.2769, 29.6187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

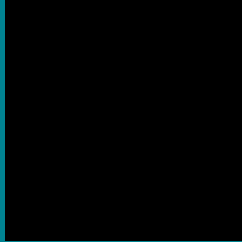
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.2271, 18.2769, 29.6187

Background



This preview shows how black text looks on a background with the XYZ color 13.2271, 18.2769, 29.6187.

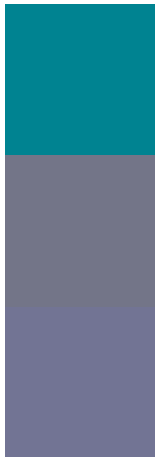


This preview shows how white text looks on a background with the XYZ color 13.2271, 18.2769,

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

13.2271, 18.2769, 29.6187

Protanopia

17.8755, 18.1450, 25.8527

Deuteranopia

18.5301, 18.2063, 30.5545

Trichromacy



Original Color

13.2271, 18.2769, 29.6187

Protanomaly

14.3674, 17.1996, 26.9887

Deuteranomaly

14.8515, 17.1978, 30.1405

Monochromacy



Original Color

13.2271, 18.2769, 29.6187

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.9860, 12.6150, 17.2379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2271, 18.2769, 29.6187 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, 131, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 145)  
}
```

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, 131, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 145) }
```

Border

The CSS property to change the border of an element to XYZ 13.2271, 18.2769, 29.6187 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, 131, 145) }
```

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

```
.border{ border-color:rgb(0, 131, 145) }
```

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

Here you see how a box with a 4 pixel rgb(0, 131, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
145) }
```


Background

The CSS property to change the background color of an element to XYZ 13.2271, 18.2769, 29.6187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 145) }
```

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

```
.background{ background-color: rgb(0, 131,  
145) }
```

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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