

Converting Colors

XYZ(13.0910, 17.9614, 29.7067)

Have a look what the booklet for
XYZ(13.0910, 17.9614, 29.7067)
contains.

XYZ(13.0935, 18.0096, 29.5742)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.0935, 18.0096,
29.5742)**

Conversions

Conversions Part 1

Format	Color
Hex	008291
RGB	0, 130, 145
RGB Percent	0%, 51%, 57%
CMY	0.9999, 0.4902, 0.4314
CMYK	1.00, 0.10, 0.00, 0.43
HSL	186°, 100%, 28%
HSV	186°, 100%, 57%
XYZ	13.0935, 18.0096, 29.5742
YIQ	92.8400, -82.2950, -22.8950

Conversions

Conversions Part 2

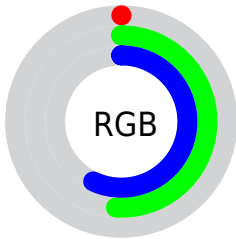
Format	Color
RYB	0, 69, 145
Decimal	33425
CIELab	49.51, -24.13, -16.58
CIElCh	50, 29.276, 214.492
Yxy	18.0096, 0.2158, 0.2968
Android (android.graphics.Color)	4278223505 (0xFF008291)
YUV	92.8400, 25.7149, -81.4207
Hunter-Lab	42.4377, -19.1926, -11.6119

Details

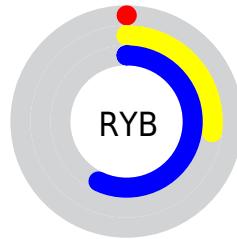
The XYZ color **13.0935, 18.0096, 29.5742** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.8485, 6.3622, 0.6042**, and the grayscale version is **10.3248, 10.8625, 11.8293**.

A 20% lighter version of the original color is **30.9886, 39.9218, 60.1052**, and **4.9342, 6.5635, 11.8333** is the 20% darker color. If you saturate the color by 10%, you get **13.0934, 18.0094, 29.5745**, and if you desaturate by 10%, it is **13.4841, 18.5097, 29.6505**.

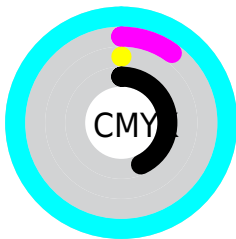
Distribution



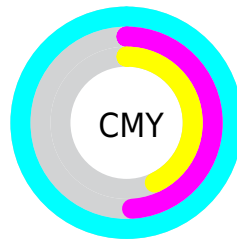
- Red (0%)
- Green (51%)
- Blue (57%)



- 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 13.0935, 18.0096, 29.5742 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 13.0935, 18.0096, 29.5742 by changing the saturation by 10% instead.

13.0935, 18.0096,
29.5742

13.0935, 18.0096,
29.5742

205.1415,
240.9252, 314.0599

7.5704, 10.9569,
19.2663

31.0715, 40.0537,
60.0412

3.8708, 6.0378,
11.6841

44.2572, 55.8138,
81.0373

1.6293, 2.8681,
6.4090

60.7278, 75.2453,
106.4333

0.4114, 1.0633,
3.0226

80.8486, 98.7323,
136.6477

0.0000, 0.0000,
1.1062

104.9850,
126.6595, 172.0990

0.0000, 0.0000,
0.0000

133.5024,

159.4111, 213.2058

166.7661,
197.3715, 260.3866

■ 13.0935, 18.0096,
29.5742

■ 13.0935, 18.0096,
29.5742

■ 13.0934, 18.0094,
29.5745

■ 13.4841, 18.5097,
29.6505

■ 14.0061, 19.0816,
29.7334

■ 14.7240, 19.7587,
29.8262

■ 15.6618, 20.5537,
29.9302

■ 16.8400, 21.4769,
30.0463

■ 18.2767, 22.5378,
30.1754

■ 19.9885, 23.7450,
30.3182

■ 21.9902, 25.1060,
30.4754

■ 24.2958, 26.6282,
30.6477

Harmonies

Analogous

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



12.3393, 18.0096, 20.8281



13.0935, 18.0096, 29.5742



14.9255, 18.0096, 36.8425

Triad

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



13.0935, 18.0096, 29.5742



22.3867, 18.0096, 26.9364



16.7040, 18.0096, 7.9975

Complementary

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



13.0935, 18.0096, 29.5742



11.8485, 6.3622, 0.6042

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.



19.5144, 18.0096, 8.8155



13.0935, 18.0096, 29.5742



22.9932, 18.0096, 18.4392

Square

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



13.0935, 18.0096, 29.5742



20.3133, 18.0096, 35.0538



21.8917, 18.0096, 12.1797



14.2760, 18.0096, 9.5351

Rectangle

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



13.0935, 18.0096, 29.5742



16.6116, 18.0096, 39.0407



21.8917, 18.0096, 12.1797



17.6338, 18.0096, 8.0104

Sweetspot

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



13.0941, 18.0102, 29.5746



35.5837, 42.3762, 54.2775



10.2087, 20.2844, 3.8115



7.6500, 9.2413, 12.0528



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.



13.0941, 18.0102, 29.5746



23.3737, 32.1030, 52.9381



6.6250, 5.0722, 27.4183



5.5133, 6.0223, 6.9006



11.2415, 15.4690, 25.3704



0.1164, 0.1657, 0.2455

Inverse Universe

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



15.7069, 7.6321, 21.7650



28.0900, 13.6517, 38.7779



15.0864, 12.8379, 1.6835



5.6025, 5.5015, 6.6710



13.4773, 6.5479, 18.6966



0.1333, 0.0644, 0.2024

Previews

White Background



This preview shows how the XYZ color 13.0935, 18.0096, 29.5742 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 13.0935, 18.0096, 29.5742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

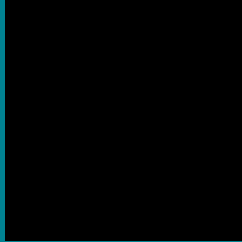
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0935, 18.0096, 29.5742

Background



This preview shows how black text looks on a background with the XYZ color 13.0935, 18.0096, 29.5742.

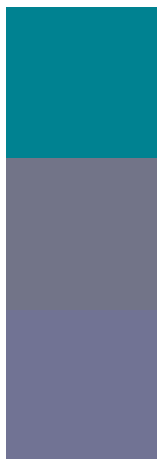


This preview shows how white text looks on a background with the XYZ color 13.0935, 18.0096,

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

13.0935, 18.0096, 29.5742

Protanopia

17.6288, 17.8458, 25.8080

Deuteranopia

18.2861, 17.9103, 30.5102



Tritanopia

12.7904, 17.8884, 27.9780

Trichromacy



Original Color

13.0935, 18.0096, 29.5742

Protanomaly

14.2452, 16.9553, 26.9480

Deuteranomaly

14.6554, 16.9172, 30.0967

Tritanomaly

12.8651, 17.9183, 28.3717

Monochromacy



Original Color

13.0935, 18.0096, 29.5742

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.8823, 12.4077, 17.2033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0935, 18.0096, 29.5742 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 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, 130, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 145) }
```

Border

The CSS property to change the border of an element to XYZ 13.0935, 18.0096, 29.5742 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, 145) }
```


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

```
.border{ border-color:rgb(0, 130, 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, 130, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0935, 18.0096, 29.5742 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, 145) }
```

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

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