

Converting Colors

XYZ(12.9403, 18.6287, 30.1193)

Have a look what the booklet for
XYZ(12.9403, 18.6287, 30.1193)
contains.

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Color

**XYZ(13.7134, 19.1255,
30.1630)**

Conversions

Conversions Part 1

Format	Color
Hex	008692
RGB	0, 134, 146
RGB Percent	0%, 53%, 57%
CMY	0.9999, 0.4745, 0.4274
CMYK	1.00, 0.08, 0.00, 0.43
HSL	185°, 100%, 29%
HSV	185°, 100%, 57%
XYZ	13.7134, 19.1255, 30.1630
YIQ	95.3020, -83.7160, -24.6760

Conversions

Conversions Part 2

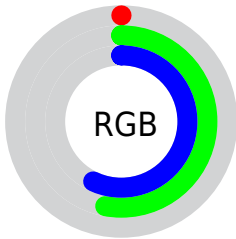
Format	Color
RYB	0, 70, 146
Decimal	34450
CIELab	50.83, -25.83, -15.15
CIELCh	51, 29.945, 210.385
Yxy	19.1255, 0.2177, 0.3036
Android (android.graphics.Color)	4278224530 (0xFF008692)
YUV	95.3020, 24.9941, -83.5799
Hunter-Lab	43.7327, -20.5595, -10.2802

Details

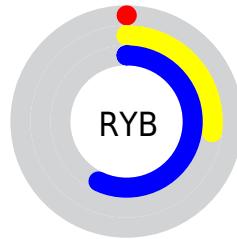
The XYZ color **13.7134, 19.1255, 30.1630** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.9861, 6.3746, 0.5993**, and the grayscale version is **10.9077, 11.4757, 12.4971**.

A 20% lighter version of the original color is **32.2463, 42.1150, 61.0730**, and **5.2816, 7.1852, 12.1748** is the 20% darker color. If you saturate the color by 10%, you get **13.7135, 19.1256, 30.1634**, and if you desaturate by 10%, it is **14.0715, 19.5581, 30.2280**.

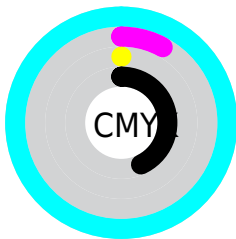
Distribution



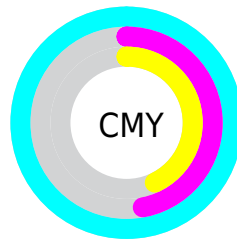
- Red (0%)
- Green (53%)
- Blue (57%)



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



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (47%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7134, 19.1255, 30.1630 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 13.7134, 19.1255, 30.1630 by changing the saturation by 10% instead.

■ 13.7134, 19.1255,
30.1630

■ 13.7134, 19.1255,
30.1630

208.9870,
247.1407, 316.8944

■ 8.0020, 11.7610,
19.7092

■ 32.1702, 41.9461,
60.9839

■ 4.1480, 6.5812,
12.0019

■ 45.6462, 58.1709,
82.1881

■ 1.7862, 3.2016,
6.6224

■ 62.4411, 78.1180,
107.8129

■ 0.5093, 1.2379,
3.1523

■ 82.9204, 102.1717,
138.2769

■ 0.0000, 0.0923,
1.1729

■ 107.4492,
130.7164, 173.9984

■ 0.0000, 0.0000,
0.0000

■ 136.3930,

164.1366, 215.3962

170.1172,
202.8165, 262.8887

■ 13.7134, 19.1255,
30.1630

■ 13.7134, 19.1255,
30.1630

■ 13.7135, 19.1256,
30.1634

■ 14.0715, 19.5581,
30.2280

■ 14.5623, 20.0616,
30.2993

■ 15.2510, 20.6699,
30.3804

■ 16.1619, 21.3956,
30.4725

■ 17.3161, 22.2495,
30.5765

■ 18.7320, 23.2412,
30.6933

■ 20.4261, 24.3791,
30.8236

■ 22.4138, 25.6713,
30.9683

■ 24.7093, 27.1250,
31.1279

Harmonies

Analogous

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



13.0783, 19.1255, 20.9337



13.7134, 19.1255, 30.1630



15.5183, 19.1255, 38.3676

Triad

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



13.7134, 19.1255, 30.1630



23.5653, 19.1255, 29.9218



18.1402, 19.1255, 8.4431

Complementary

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



13.7134, 19.1255, 30.1630



11.9861, 6.3746, 0.5993

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.



21.1260, 19.1255, 9.6588



13.7134, 19.1255, 30.1630



24.4566, 19.1255, 20.7155

Square

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



13.7134, 19.1255, 30.1630



21.1990, 19.1255, 38.2040



23.5201, 19.1255, 13.6447



15.4590, 19.1255, 9.7243

Rectangle

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



13.7134, 19.1255, 30.1630



17.2477, 19.1255, 41.2832



23.5201, 19.1255, 13.6447



19.1416, 19.1255, 8.5684

Sweetspot

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



13.7140, 19.1262, 30.1635



35.8328, 42.8743, 54.3605



10.3327, 20.5796, 3.7078



7.7119, 9.3651, 12.0734



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.



13.7140, 19.1262, 30.1635



24.1327, 33.6209, 53.1911



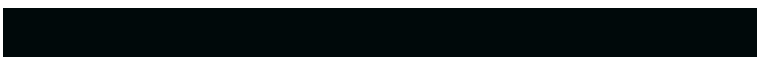
6.9817, 5.6615, 27.9194



5.9238, 6.4815, 7.4086



12.0755, 16.8457, 26.5461



0.1575, 0.2256, 0.3281

Inverse Universe

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



16.1577, 7.8328, 23.2152



28.4731, 13.8050, 40.7952



14.9280, 12.2584, 1.5799



6.0150, 5.9011, 7.1850



14.2222, 6.8939, 20.4490



0.1790, 0.0863, 0.2761

Previews

White Background



This preview shows how the XYZ color 13.7134, 19.1255, 30.1630 looks on a white 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

Black Background



This preview shows how the XYZ color 13.7134, 19.1255, 30.1630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

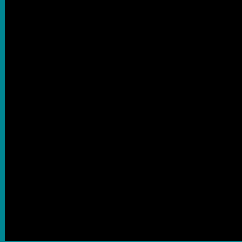
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.7134, 19.1255, 30.1630

Background



This preview shows how black text looks on a background with the XYZ color 13.7134, 19.1255, 30.1630.

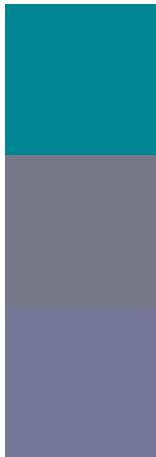


This preview shows how white text looks on a background with the XYZ color 13.7134, 19.1255,

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

13.7134, 19.1255, 30.1630

Protanopia

18.6316, 19.0621, 25.9899

Deuteranopia

19.4547, 19.0104, 31.4982



Tritanopia

13.6359, 19.0945, 29.7550

Trichromacy



Original Color

13.7134, 19.1255, 30.1630

Protanomaly

14.9689, 18.0565, 27.5073

Deuteranomaly

15.5341, 18.0811, 31.1050

Tritanomaly

13.6359, 19.0945, 29.7550

Monochromacy



Original Color

13.7134, 19.1255, 30.1630

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.3694, 13.1128, 17.9041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7134, 19.1255, 30.1630 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, 134, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 146)  
}
```

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, 134, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 146) }
```

Border

The CSS property to change the border of an element to XYZ 13.7134, 19.1255, 30.1630 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, 134, 146) }
```


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

```
.border{ border-color:rgb(0, 134, 146) }
```

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

Here you see how a box with a 4 pixel rgb(0, 134, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7134, 19.1255, 30.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 146) }
```

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

```
.background{ background-color: rgb(0, 134,  
146) }
```

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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