

Converting Colors

XYZ(13.0130, 17.4861, 30.6648)

Have a look what the booklet for
XYZ(13.0130, 17.4861, 30.6648)
contains.

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Color

**XYZ(13.0645, 17.5765,
30.7210)**

Conversions

Conversions Part 1

Format	Color
Hex	008094
RGB	0, 128, 148
RGB Percent	0%, 50%, 58%
CMY	0.9999, 0.4980, 0.4196
CMYK	1.00, 0.14, 0.00, 0.42
HSL	188°, 100%, 29%
HSV	188°, 100%, 58%
XYZ	13.0645, 17.5765, 30.7210
YIQ	92.0080, -82.7080, -20.9160

Conversions

Conversions Part 2

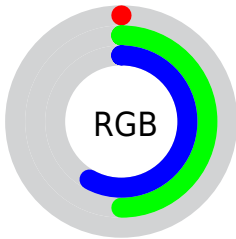
Format	Color
RYB	0, 69, 148
Decimal	32916
CIELab	48.98, -22.04, -19.14
CIElCh	49, 29.193, 220.980
Yxy	17.5765, 0.2129, 0.2864
Android (android.graphics.Color)	4278222996 (0xFF008094)
YUV	92.0080, 27.6041, -80.6910
Hunter-Lab	41.9243, -17.7433, -14.0990

Details

The XYZ color **13.0645, 17.5765, 30.7210** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.4636, 6.7972, 0.6558**, and the grayscale version is **10.1285, 10.6560, 11.6043**.

A 20% lighter version of the original color is **31.0223, 39.2904, 61.8259**, and **4.8821, 6.3118, 12.2703** is the 20% darker color. If you saturate the color by 10%, you get **13.0643, 17.5761, 30.7213**, and if you desaturate by 10%, it is **13.5224, 18.2040, 30.8183**.

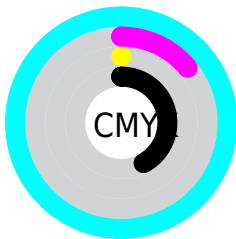
Distribution



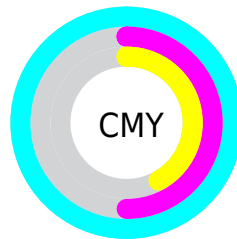
- Red (0%)
- Green (50%)
- Blue (58%)



- Red (0%)
- Yellow (27%)
- Blue (58%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (50%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0645, 17.5765, 30.7210 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 13.0645, 17.5765, 30.7210 by changing the saturation by 10% instead.

■ 13.0645, 17.5765,
30.7210

■ 13.0645, 17.5765,
30.7210

204.9599,
238.4730, 319.5622

■ 7.5503, 10.6464,
20.1298

■ 31.0199, 39.3144,
61.8750

■ 3.8579, 5.8296,
12.3044

■ 44.1919, 54.8909,
83.2748

■ 1.6221, 2.7417,
6.8263

■ 60.6471, 74.1183,
109.1146

■ 0.4067, 0.9984,
3.2769

■ 80.7510, 97.3810,
139.8130

■ 0.0000, 0.0000,
1.2377

■ 104.8688,
125.0635, 175.7884

■ 0.0000, 0.0000,
0.0099

■ 133.3660,

■ 0.0000, 0.0000,

157.5500, 217.4593

0.0000

166.6079,
195.2251, 265.2444

■ 13.0645, 17.5765,
30.7210

■ 13.0645, 17.5765,
30.7210

■ 13.0643, 17.5761,
30.7213

■ 13.5224, 18.2040,
30.8183

■ 14.1215, 18.9117,
30.9234

■ 14.9278, 19.7340,
31.0396

■ 15.9669, 20.6839,
31.1682

■ 17.2602, 21.7728,
31.3102

■ 18.8269, 23.0104,
31.4665

■ 20.6843, 24.4058,
31.6379

■ 22.8482, 25.9671,
31.8252

■ 25.3332, 27.7020,
32.0291

Harmonies

Analogous

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



12.0846, 17.5765, 22.1312



13.0645, 17.5765, 30.7210



15.0607, 17.5765, 37.0520

Triad

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



13.0645, 17.5765, 30.7210



22.1472, 17.5765, 24.4391



15.7306, 17.5765, 7.8878

Complementary

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



13.0645, 17.5765, 30.7210



12.4636, 6.7972, 0.6558

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.



18.4668, 17.5765, 8.1922



13.0645, 17.5765, 30.7210



22.3767, 17.5765, 16.4273

Square

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



13.0645, 17.5765, 30.7210



20.3712, 17.5765, 32.7995



20.9680, 17.5765, 10.9078



13.5090, 17.5765, 9.9197

Rectangle

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



13.0645, 17.5765, 30.7210



16.7955, 17.5765, 38.3318



20.9680, 17.5765, 10.9078



16.6167, 17.5765, 7.7382

Sweetspot

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



13.0651, 17.5771, 30.7214



36.2791, 42.9025, 55.8035



10.7144, 21.2299, 4.1835



7.9838, 9.5723, 12.7117



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.0651, 17.5771, 30.7214



22.9594, 30.8284, 54.1750



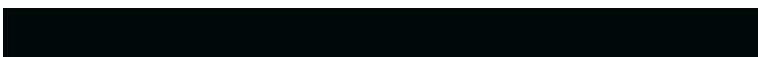
6.6780, 4.8030, 28.5924



5.8980, 6.4300, 7.4000



11.1733, 15.0414, 26.2454



0.1516, 0.2139, 0.3262

Inverse Universe

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



16.1096, 7.8551, 21.0898



28.3770, 13.8401, 36.9655



16.1929, 14.2557, 1.8989



6.0020, 5.8958, 7.1164



13.7668, 6.7118, 18.0510



0.1760, 0.0852, 0.2605

Previews

White Background



This preview shows how the XYZ color 13.0645, 17.5765, 30.7210 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 13.0645, 17.5765, 30.7210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

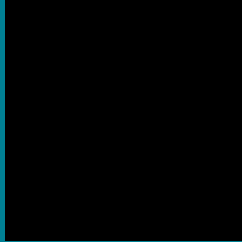
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0645, 17.5765, 30.7210

Background



This preview shows how black text looks on a background with the XYZ color 13.0645, 17.5765, 30.7210.

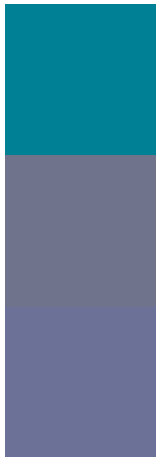


This preview shows how white text looks on a background with the XYZ color 13.0645, 17.5765,

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

13.0645, 17.5765, 30.7210

Protanopia

17.3465, 17.5051, 26.8907

Deuteranopia

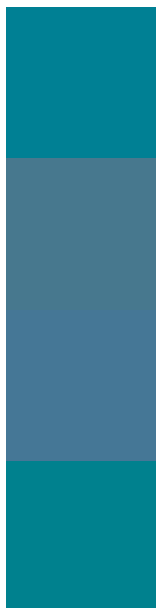
17.7876, 17.4571, 31.7102



Tritanopia

12.5105, 17.5646, 27.1570

Trichromacy



Original Color

13.0645, 17.5765, 30.7210

Protanomaly

14.1975, 16.7255, 28.0712

Deuteranomaly

14.5561, 16.6609, 31.3028

Tritanomaly

12.7327, 17.6535, 28.3276

Monochromacy



Original Color

13.0645, 17.5765, 30.7210

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.7798, 12.2028, 17.1692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0645, 17.5765, 30.7210 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 148) }
```

Border

The CSS property to change the border of an element to XYZ 13.0645, 17.5765, 30.7210 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, 148) }
```


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

```
.border{ border-color:rgb(0, 128, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0645, 17.5765, 30.7210 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, 148) }
```

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

```
.background{ background-color: rgb(0, 128,  
148) }
```

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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