

Converting Colors

XYZ(13.1686, 17.6142, 26.5633)

Have a look what the booklet for
XYZ(13.1686, 17.6142, 26.5633)
contains.

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Color

**XYZ(13.1317, 17.5060,
26.7316)**

Conversions

Conversions Part 1	
Format	Color
Hex	2A7F8A
RGB	42, 127, 138
RGB Percent	16%, 50%, 54%
CMY	0.8353, 0.5020, 0.4588
CMYK	0.70, 0.08, 0.00, 0.46
HSL	187°, 53%, 35%
HSV	187°, 70%, 54%
XYZ	13.1317, 17.5060, 26.7316
YIQ	102.8390, -54.1910, -14.5990

Conversions

Conversions Part 2

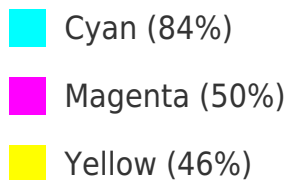
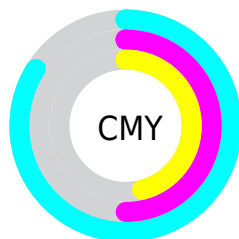
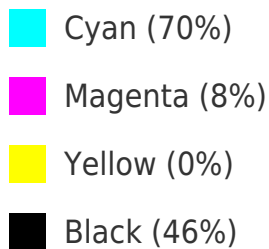
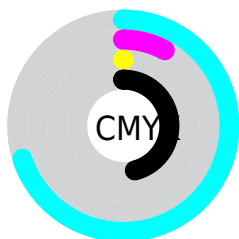
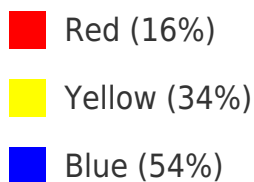
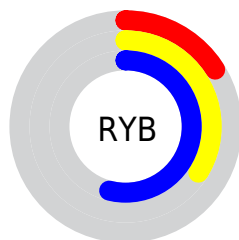
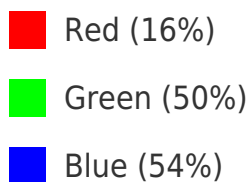
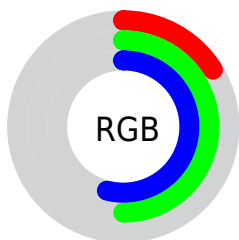
Format	Color
RYB	42, 87, 138
Decimal	2785162
CIELab	48.89, -21.22, -13.35
CIELCh	49, 25.072, 212.175
Yxy	17.5060, 0.2289, 0.3051
Android (android.graphics.Color)	4280975242 (0xFF2A7F8A)
YUV	102.8390, 17.3344, -53.3558
Hunter-Lab	41.8402, -17.1974, -8.5921

Details

The XYZ color **13.1317, 17.5060, 26.7316** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **12.1727, 8.1172, 3.1163**, and the grayscale version is **12.8163, 13.4837, 14.6838**.

A 20% lighter version of the original color is **31.0921, 39.1708, 55.2122**, and **4.4858, 6.1534, 10.1838** is the 20% darker color. If you saturate the color by 10%, you get **12.4591, 16.8588, 26.6425**, and if you desaturate by 10%, it is **14.0031, 18.2611, 26.8318**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1317, 17.5060, 26.7316 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 13.1317, 17.5060, 26.7316 by changing the saturation by 10% instead.


 13.1317, 17.5060,
26.7316


 13.1317, 17.5060,
26.7316


205.3806,
238.0717, 300.0742


 7.5969, 10.5959,
17.1411


 31.1395, 39.1937,
55.4514


 3.8878, 5.7958,
10.1721


 44.3432, 54.7402,
75.4177


 1.6388, 2.7213,
5.4061


 60.8340, 73.9342,
99.6797

 0.4175, 0.9880,
2.4246

 80.9771, 97.1602,
128.6560

 0.0000, 0.0000,
0.7998

 105.1380,
124.8025, 162.7650

 0.0000, 0.0000,
0.0000

 133.6819,

157.2456, 202.4254

166.9744,
194.8739, 248.0556

■ 13.1317, 17.5060,
26.7316

■ 13.1317, 17.5060,
26.7316

■ 12.4591, 16.8588,
26.6425

■ 14.0031, 18.2611,
26.8318

■ 11.9625, 16.3068,
26.5621

■ 15.0895, 19.1315,
26.9425

■ 11.5864, 15.8216,
26.4882

■ 16.4076, 20.1262,
27.0650

■ 11.5703, 15.8005,
26.4850

■ 17.9717, 21.2524,
27.2000

■ 19.7950, 22.5172,
27.3480

■ 21.8900, 23.9269,
27.5097

■ 24.2680, 25.4873,
27.6855

■ 26.9400, 27.2042,
27.8761

■ 29.9161, 29.0828,
28.0818

Harmonies

Analogous

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



12.5562, 17.5060, 19.5515



13.1317, 17.5060, 26.7316



14.6365, 17.5060, 32.7884

Triad

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



13.1317, 17.5060, 26.7316



20.9180, 17.5060, 25.6900



16.4697, 17.5060, 8.9092

Complementary

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



13.1317, 17.5060, 26.7316



12.1727, 8.1172, 3.1163

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.



18.8161, 17.5060, 9.8258



13.1317, 17.5060, 26.7316



21.5226, 17.5060, 18.5789

Square

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



13.1317, 17.5060, 26.7316



19.1372, 17.5060, 32.0951



20.7209, 17.5060, 13.0191



14.3682, 17.5060, 10.1418

Rectangle

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



13.1317, 17.5060, 26.7316



16.0371, 17.5060, 34.7834



20.7209, 17.5060, 13.0191



17.2556, 17.5060, 8.9757

Sweetspot

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



13.1322, 17.5066, 26.7320



34.2490, 39.2499, 48.1541



10.6547, 18.9140, 6.2917



7.5076, 8.6834, 10.7867



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.1322, 17.5066, 26.7320



21.4685, 29.1893, 46.8858



8.4410, 8.1241, 25.1683



5.1248, 5.5925, 6.4152



10.6149, 14.5001, 24.2850



0.0770, 0.1092, 0.1635

Inverse Universe

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



15.1405, 8.5921, 20.9398



25.4275, 13.0621, 35.1425



15.4186, 14.6089, 4.1983



5.2096, 5.1193, 6.1922



12.8447, 6.2480, 17.4844



0.0886, 0.0428, 0.1333

Previews

White Background



This preview shows how the XYZ color 13.1317, 17.5060, 26.7316 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 13.1317, 17.5060, 26.7316 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 13.1317, 17.5060, 26.7316

Background



This preview shows how black text looks on a background with the XYZ color 13.1317, 17.5060, 26.7316.



This preview shows how white text looks on a background with the XYZ color 13.1317, 17.5060,

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

13.1317, 17.5060, 26.7316

Protanopia

16.9701, 17.3839, 23.5801

Deuteranopia

17.6523, 17.3107, 27.6102



Tritanopia

13.0596, 17.4771, 26.3520

Trichromacy



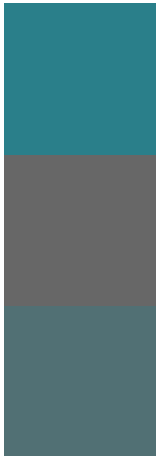
Original Color
13.1317, 17.5060, 26.7316

Protanomaly
14.7609, 16.9133, 24.6769

Deuteranomaly
15.2366, 16.9250, 27.2747

Tritanomaly
13.0596, 17.4771, 26.3520

Monochromacy



Original Color
13.1317, 17.5060, 26.7316

Achromatopsia
12.8919, 13.5633, 14.7705

Achromatomaly
12.3399, 14.5986, 18.6904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1317, 17.5060, 26.7316 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(42, 127, 138) looks like.

```
.text, #text, p{  
    color:rgb(42, 127, 138)  
}
```

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(42, 127, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 127, 138) }
```

Border

The CSS property to change the border of an element to XYZ 13.1317, 17.5060, 26.7316 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(42, 127, 138) }
```


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

```
.border{ border-color:rgb(42, 127, 138) }
```

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

Here you see how a box with a 4 pixel rgb(42, 127, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 127, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 127, 138);  
box-shadow:4px 4px 4px 4px rgb(42, 127,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1317, 17.5060, 26.7316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 127, 138) }
```

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

```
.background{ background-color: rgb(42, 127,  
138) }
```

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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