

Converting Colors

XYZ(13.4467, 19.8515, 26.1914)

Have a look what the booklet for
XYZ(13.4467, 19.8515, 26.1914)
contains.

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Color

**XYZ(13.4617, 19.9262,
26.0583)**

Conversions

Conversions Part 1

Format	Color
Hex	008A87
RGB	0, 138, 135
RGB Percent	0%, 54%, 53%
CMY	0.9999, 0.4588, 0.4706
CMYK	1.00, 0.00, 0.02, 0.46
HSL	179°, 100%, 27%
HSV	179°, 100%, 54%
XYZ	13.4617, 19.9262, 26.0583
YIQ	96.3960, -81.2850, -30.1890

Conversions

Conversions Part 2

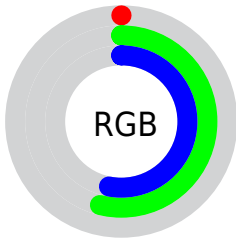
Format	Color
RYB	0, 70, 138
Decimal	35463
CIELab	51.75, -31.41, -7.36
CIELCh	52, 32.262, 193.180
Yxy	19.9262, 0.2265, 0.3352
Android (android.graphics.Color)	4278225543 (0xFF008A87)
YUV	96.3960, 19.0318, -84.5393
Hunter-Lab	44.6388, -24.2877, -3.3640

Details

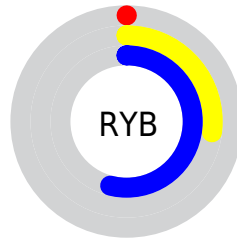
The XYZ color **13.4617, 19.9262, 26.0583** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.4984, 5.4106, 0.5779**, and the grayscale version is **11.1858, 11.7683, 12.8157**.

A 20% lighter version of the original color is **31.6730, 43.2614, 54.2579**, and **5.0479, 7.4723, 9.7706** is the 20% darker color. If you saturate the color by 10%, you get **13.4619, 19.9268, 26.0586**, and if you desaturate by 10%, it is **13.6616, 20.0272, 26.1786**.

Distribution



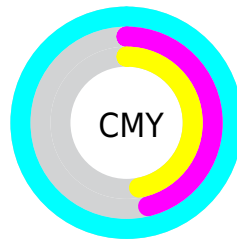
- Red (0%)
- Green (54%)
- Blue (53%)



- Red (0%)
- Yellow (27%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (46%)



- Cyan (100%)
- Magenta (46%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4617, 19.9262, 26.0583 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 13.4617, 19.9262, 26.0583 by changing the saturation by 10% instead.

■ 13.4617, 19.9262,
26.0583

■ 13.4617, 19.9262,
26.0583

■ 207.4342,
251.5153, 296.6827

■ 7.8264, 12.3414,
16.6411

■ 31.7251, 43.2934,
54.3542

■ 4.0349, 6.9766,
9.8197

■ 45.0839, 59.8446,
74.0700

■ 1.7219, 3.4475,
5.1755

■ 61.7480, 80.1535,
98.0558

■ 0.4699, 1.3696,
2.2901

■ 82.0826, 104.6043,
126.7300

■ 0.0000, 0.1941,
0.7257

■ 106.4532,
133.5815, 160.5113

■ 0.0000, 0.0000,
0.0000

■ 135.2251,

167.4694, 199.8182

168.7636,
206.6526, 245.0691

■ 13.4617, 19.9262,
26.0583

■ 13.4617, 19.9262,
26.0583

■ 13.4619, 19.9268,
26.0586

■ 13.6616, 20.0272,
26.1786

■ 13.9731, 20.1854,
26.3040

■ 14.4572, 20.4325,
26.4377

■ 15.1350, 20.7794,
26.5809

■ 16.0245, 21.2355,
26.7342

■ 17.1419, 21.8090,
26.8985

■ 18.5015, 22.5075,
27.0745

■ 20.1166, 23.3376,
27.2628

■ 21.9996, 24.3058,
27.4639

Harmonies

Analogous

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



13.5441, 19.9262, 16.8992



13.4617, 19.9262, 26.0583



14.7210, 19.9262, 36.4679

Triad

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



13.4617, 19.9262, 26.0583



23.5671, 19.9262, 37.6215



20.8142, 19.9262, 8.6374

Complementary

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



13.4617, 19.9262, 26.0583



10.4984, 5.4106, 0.5779

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.



23.8949, 19.9262, 11.5738



13.4617, 19.9262, 26.0583



25.6051, 19.9262, 27.3248

Square

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



13.4617, 19.9262, 26.0583



20.4067, 19.9262, 44.3269



25.7315, 19.9262, 17.8504



17.5439, 19.9262, 8.4784

Rectangle

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



13.4617, 19.9262, 26.0583



16.2461, 19.9262, 42.0170



25.7315, 19.9262, 17.8504



21.9148, 19.9262, 9.2831

Sweetspot

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



13.4623, 19.9269, 26.0588



32.4395, 39.5841, 47.7012



9.1468, 18.2074, 3.0330



7.0718, 8.7736, 10.6734



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.



13.4623, 19.9269, 26.0588



23.7204, 35.1203, 45.8896



7.0109, 6.6812, 24.9655



5.1682, 5.6868, 6.4068



12.3431, 18.2698, 23.8952



0.0827, 0.1216, 0.1624

Inverse Universe

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



10.4984, 5.4106, 0.5779



18.4963, 9.5327, 0.9766



12.3385, 9.1172, 1.1102



5.0370, 5.0502, 5.2833



9.6256, 4.9604, 0.5329



0.0644, 0.0332, 0.0062

Previews

White Background



This preview shows how the XYZ color 13.4617, 19.9262, 26.0583 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 13.4617, 19.9262, 26.0583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

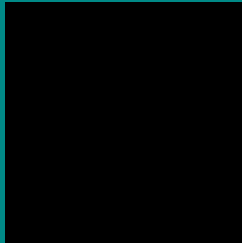
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4617, 19.9262, 26.0583

Background



This preview shows how black text looks on a background with the XYZ color 13.4617, 19.9262, 26.0583.



This preview shows how white text looks on a background with the XYZ color 13.4617, 19.9262,

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

13.4617, 19.9262, 26.0583

Protanopia

18.9734, 19.6848, 22.2016

Deuteranopia

20.1291, 19.8090, 27.1887



Tritanopia

14.5495, 19.9618, 30.6899

Trichromacy



Original Color

13.4617, 19.9262, 26.0583

Protanomaly

14.9061, 18.6856, 23.5899

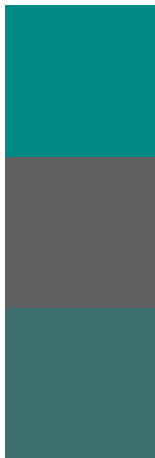
Deuteranomaly

15.5702, 18.7631, 26.8458

Tritanomaly

14.1530, 20.0031, 29.1016

Monochromacy



Original Color

13.4617, 19.9262, 26.0583

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.4234, 13.4868, 16.8057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4617, 19.9262, 26.0583 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, 138, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 135)  
}
```

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, 138, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 135) }
```

Border

The CSS property to change the border of an element to XYZ 13.4617, 19.9262, 26.0583 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, 138, 135) }
```


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

```
.border{ border-color:rgb(0, 138, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4617, 19.9262, 26.0583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 135) }
```

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

```
.background{ background-color: rgb(0, 138,  
135) }
```

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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