

Converting Colors

XYZ(13.3221, 19.8704, 25.3235)

Have a look what the booklet for
XYZ(13.3221, 19.8704, 25.3235)
contains.

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Color

**XYZ(13.3221, 19.8704,
25.3235)**

Conversions

Conversions Part 1

Format	Color
Hex	008A85
RGB	0, 138, 133
RGB Percent	0%, 54%, 52%
CMY	0.9999, 0.4588, 0.4784
CMYK	1.00, 0.00, 0.04, 0.46
HSL	178°, 100%, 27%
HSV	178°, 100%, 54%
XYZ	13.3221, 19.8704, 25.3235
YIQ	96.1680, -80.6430, -30.8110

Conversions

Conversions Part 2

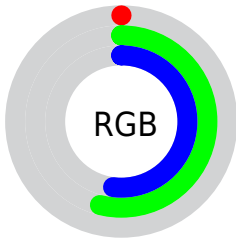
Format	Color
RYB	0, 70, 138
Decimal	35461
CIELab	51.69, -32.04, -6.29
CIELCh	52, 32.654, 191.100
Yxy	19.8704, 0.2277, 0.3396
Android (android.graphics.Color)	4278225541 (0xFF008A85)
YUV	96.1680, 18.1582, -84.3393
Hunter-Lab	44.5762, -24.6617, -2.4790

Details

The XYZ color **13.3221, 19.8704, 25.3235** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.5093, 5.4148, 0.6354**, and the grayscale version is **11.1318, 11.7115, 12.7538**.

A 20% lighter version of the original color is **31.4589, 43.1757, 53.1301**, and **5.0084, 7.4565, 9.5628** is the 20% darker color. If you saturate the color by 10%, you get **13.3224, 19.8710, 25.3237**, and if you desaturate by 10%, it is **13.5354, 19.9768, 25.5148**.

Distribution



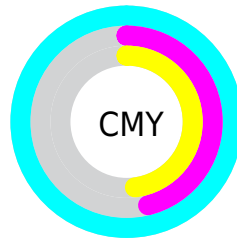
- Red (0%)
- Green (54%)
- Blue (52%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (46%)



- Cyan (100%)
- Magenta (46%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3221, 19.8704, 25.3235 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 13.3221, 19.8704, 25.3235 by changing the saturation by 10% instead.

■ 13.3221, 19.8704,
25.3235

■ 13.3221, 19.8704,
25.3235

206.5679,
251.2127, 292.9443

■ 7.7292, 12.3009,
16.0970

■ 31.4777, 43.1998,
53.1522

■ 3.9725, 6.9489,
9.4377

■ 44.7711, 59.7284,
72.5914

■ 1.6866, 3.4302,
4.9271

■ 61.3621, 80.0123,
96.2721

■ 0.4479, 1.3602,
2.1466

■ 81.6160, 104.4356,
124.6126

■ 0.0000, 0.1871,
0.6433

■ 105.8982,
133.3830, 158.0315

■ 0.0000, 0.0000,
0.0000

■ 134.5740,

167.2387, 196.9474

168.0088,
206.3871, 241.7788

■ 13.3221, 19.8704,
25.3235

■ 13.3221, 19.8704,
25.3235

■ 13.3224, 19.8710,
25.3237

■ 13.5354, 19.9768,
25.5148

■ 13.8604, 20.1403,
25.7117

■ 14.3581, 20.3929,
25.9175

■ 15.0496, 20.7453,
26.1333

■ 15.9529, 21.2069,
26.3599

■ 17.0841, 21.7859,
26.5980

■ 18.4577, 22.4899,
26.8483

■ 20.0869, 23.3257,
27.1114

■ 21.9841, 24.2996,
27.3879

Harmonies

Analogous

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



13.4998, 19.8704, 16.2700



13.3221, 19.8704, 25.3235



14.4995, 19.8704, 35.9042

Triad

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



13.3221, 19.8704, 25.3235



23.3689, 19.8704, 38.4087



21.0156, 19.8704, 8.6009

Complementary

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



13.3221, 19.8704, 25.3235



10.5093, 5.4148, 0.6354

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.



24.0790, 19.8704, 11.7584



13.3221, 19.8704, 25.3235



25.5431, 19.8704, 28.0672

Square

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



13.3221, 19.8704, 25.3235



20.1335, 19.8704, 44.7969



25.8171, 19.8704, 18.3241



17.6915, 19.8704, 8.2598

Rectangle

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



13.3221, 19.8704, 25.3235



15.9844, 19.8704, 41.7467



25.8171, 19.8704, 18.3241



22.1195, 19.8704, 9.3131

Sweetspot

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



13.3227, 19.8711, 25.3240



32.3621, 39.5531, 47.2938



9.1754, 18.2222, 3.0341



7.0524, 8.7658, 10.5714



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.



13.3227, 19.8711, 25.3240



23.4694, 35.0199, 44.5676



7.1660, 6.9915, 25.0173



5.1651, 5.6855, 6.3906



12.2156, 18.2188, 23.2238



0.0823, 0.1215, 0.1603

Inverse Universe

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



10.5093, 5.4148, 0.6354



18.5105, 9.5384, 1.0513



12.2103, 8.8608, 1.0672



5.0397, 5.0513, 5.2977



9.6362, 4.9646, 0.5884



0.0649, 0.0333, 0.0083

Previews

White Background



This preview shows how the XYZ color 13.3221, 19.8704, 25.3235 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 13.3221, 19.8704, 25.3235 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 13.3221, 19.8704, 25.3235

Background



This preview shows how black text looks on a background with the XYZ color 13.3221, 19.8704, 25.3235.



This preview shows how white text looks on a background with the XYZ color 13.3221, 19.8704,

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

13.3221, 19.8704, 25.3235

Protanopia

19.0551, 19.7343, 21.8736

Deuteranopia

20.0143, 19.5890, 26.3931



Tritanopia

14.5773, 19.9761, 30.6912

Trichromacy



Original Color

13.3221, 19.8704, 25.3235

Protanomaly

14.8582, 18.6761, 22.9004

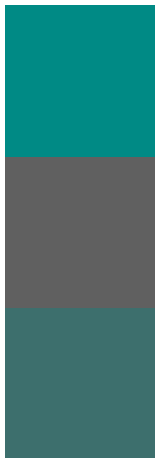
Deuteranomaly

15.2981, 18.4486, 26.0472

Tritanomaly

14.0776, 19.9729, 28.7044

Monochromacy



Original Color

13.3221, 19.8704, 25.3235

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.3692, 13.4651, 16.5205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3221, 19.8704, 25.3235 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 133) }
```

Border

The CSS property to change the border of an element to XYZ 13.3221, 19.8704, 25.3235 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, 133) }
```


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

```
.border{ border-color:rgb(0, 138, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3221, 19.8704, 25.3235 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, 133) }
```

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

```
.background{ background-color: rgb(0, 138,  
133) }
```

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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