

Converting Colors

XYZ(9.9560, 18.3887, 25.3048)

Have a look what the booklet for
XYZ(9.9560, 18.3887, 25.3048)
contains.

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Color

**XYZ(13.4663, 20.1587,
25.3716)**

Conversions

Conversions Part 1

Format	Color
Hex	008B85
RGB	0, 139, 133
RGB Percent	0%, 55%, 52%
CMY	0.9999, 0.4549, 0.4784
CMYK	1.00, 0.00, 0.04, 0.45
HSL	177°, 100%, 27%
HSV	177°, 100%, 55%
XYZ	13.4663, 20.1587, 25.3716
YIQ	96.7550, -80.9180, -31.3340

Conversions

Conversions Part 2

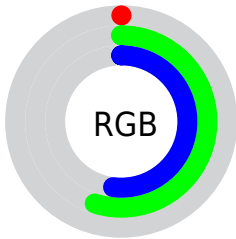
Format	Color
RYB	0, 71, 139
Decimal	35717
CIELab	52.02, -32.51, -5.80
CIELCh	52, 33.028, 190.119
Yxy	20.1587, 0.2283, 0.3417
Android (android.graphics.Color)	4278225797 (0xFF008B85)
YUV	96.7550, 17.8688, -84.8541
Hunter-Lab	44.8984, -25.0351, -2.0752

Details

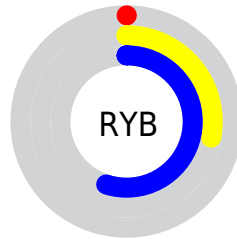
The XYZ color **13.4663, 20.1587, 25.3716** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.6810, 5.5028, 0.6721**, and the grayscale version is **11.2758, 11.8630, 12.9189**.

A 20% lighter version of the original color is **31.6792, 43.6164, 53.2035**, and **5.0900, 7.6195, 9.5900** is the 20% darker color. If you saturate the color by 10%, you get **13.4666, 20.1593, 25.3717**, and if you desaturate by 10%, it is **13.6881, 20.2687, 25.5995**.

Distribution



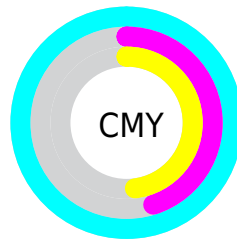
- Red (0%)
- Green (55%)
- Blue (52%)



- Red (0%)
- Yellow (28%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (45%)



- Cyan (100%)
- Magenta (45%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4663, 20.1587, 25.3716 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 13.4663, 20.1587, 25.3716 by changing the saturation by 10% instead.

■ 13.4663, 20.1587,
25.3716

■ 13.4663, 20.1587,
25.3716

207.4626,
252.7730, 293.1902

■ 7.8296, 12.5105,
16.1326

■ 31.7332, 43.6831,
53.2310

■ 4.0370, 7.0923,
9.4627

■ 45.0942, 60.3280,
72.6885

■ 1.7231, 3.5199,
4.9433

■ 61.7607, 80.7407,
96.3892

■ 0.4707, 1.4088,
2.1558

■ 82.0980, 105.3054,
124.7517

■ 0.0000, 0.2232,
0.6487

■ 106.4715,
134.4066, 158.1945

■ 0.0000, 0.0000,
0.0000

■ 135.2465,

168.4286, 197.1361

168.7884,
207.7560, 241.9952

■ 13.4663, 20.1587,
25.3716

■ 13.4663, 20.1587,
25.3716

■ 13.4666, 20.1593,
25.3717

■ 13.6881, 20.2687,
25.5995

■ 14.0241, 20.4371,
25.8336

■ 14.5357, 20.6959,
26.0771

■ 15.2443, 21.0564,
26.3311

■ 16.1685, 21.5279,
26.5964

■ 17.3245, 22.1189,
26.8739

■ 18.7271, 22.8370,
27.1641

■ 20.3898, 23.6891,
27.4677

■ 22.3251, 24.6818,
27.7853

Harmonies

Analogous

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



13.6930, 20.1587, 16.2275



13.4663, 20.1587, 25.3716



14.6227, 20.1587, 36.1996

Triad

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



13.4663, 20.1587, 25.3716



23.6432, 20.1587, 39.4048



21.4478, 20.1587, 8.7206

Complementary

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



13.4663, 20.1587, 25.3716



10.6810, 5.5028, 0.6721

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.



24.5510, 20.1587, 12.0367



13.4663, 20.1587, 25.3716



25.9177, 20.1587, 28.8794

Square

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



13.4663, 20.1587, 25.3716



20.3206, 20.1587, 45.7360



26.2681, 20.1587, 18.8497



18.0449, 20.1587, 8.2865

Rectangle

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



13.4663, 20.1587, 25.3716



16.1118, 20.1587, 42.2758



26.2681, 20.1587, 18.8497



22.5708, 20.1587, 9.4765

Sweetspot

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



13.4669, 20.1595, 25.3721



33.3539, 40.8025, 48.6092



9.3203, 18.5109, 3.0823



7.4602, 9.2865, 11.1556



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.4669, 20.1595, 25.3721



24.0994, 36.0942, 45.3500



7.2769, 7.0969, 25.4132



5.1637, 5.6850, 6.3829



12.1555, 18.1948, 22.9071



0.0821, 0.1214, 0.1592

Inverse Universe

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



10.6810, 5.5028, 0.6721



19.1106, 9.8469, 1.1179



12.4013, 8.9960, 1.0834



5.0411, 5.0519, 5.3047



9.6412, 4.9666, 0.6149



0.0650, 0.0334, 0.0093

Previews

White Background



This preview shows how the XYZ color 13.4663, 20.1587, 25.3716 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 13.4663, 20.1587, 25.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

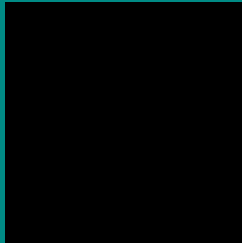
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4663, 20.1587, 25.3716

Background



This preview shows how black text looks on a background with the XYZ color 13.4663, 20.1587, 25.3716.

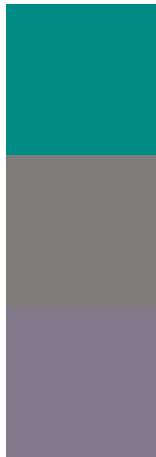


This preview shows how white text looks on a background with the XYZ color 13.4663, 20.1587,

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

13.4663, 20.1587, 25.3716

Protanopia

19.2623, 20.0316, 21.5901

Deuteranopia

20.2851, 19.9062, 26.4401



Tritanopia

14.8264, 20.3055, 31.1549

Trichromacy



Original Color

13.4663, 20.1587, 25.3716

Protanomaly

14.9893, 18.9383, 22.9441

Deuteranomaly

15.5130, 18.7502, 26.0941

Tritanomaly

14.3150, 20.2986, 29.1501

Monochromacy



Original Color

13.4663, 20.1587, 25.3716

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.5952, 13.7383, 16.8452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4663, 20.1587, 25.3716 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, 139, 133)` looks like.

```
.text, #text, p{  
  color:rgb(0, 139, 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, 139, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 133) }
```

Border

The CSS property to change the border of an element to XYZ 13.4663, 20.1587, 25.3716 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, 139, 133) }
```


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

```
.border{ border-color:rgb(0, 139, 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, 139, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4663, 20.1587, 25.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 133) }
```

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

```
.background{ background-color: rgb(0, 139,  
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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