

Converting Colors

XYZ(26.2058, 40.3789, 45.8307)

Have a look what the booklet for
XYZ(26.2058, 40.3789, 45.8307)
contains.

XYZ(26.1736, 40.2787, 45.9302)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(26.1736, 40.2787,
45.9302)**

Conversions

Conversions Part 1

Format	Color
Hex	00BFAD
RGB	0, 191, 173
RGB Percent	0%, 75%, 68%
CMY	0.9999, 0.2510, 0.3216
CMYK	1.00, 0.00, 0.09, 0.25
HSL	174°, 100%, 37%
HSV	174°, 100%, 75%
XYZ	26.1736, 40.2787, 45.9302
YIQ	131.8390, -108.0580, -46.0900

Conversions

Conversions Part 2

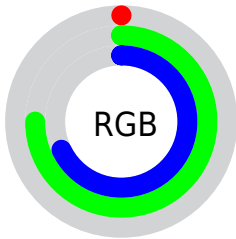
Format	Color
RYB	0, 100, 191
Decimal	49069
CIELab	69.67, -43.96, -2.29
CIELCh	70, 44.021, 182.985
Yxy	40.2787, 0.2329, 0.3584
Android (android.graphics.Color)	4278239149 (0xFF00BFAD)
YUV	131.8390, 20.2924, -115.6228
Hunter-Lab	63.4655, -37.4500, 1.5175

Details

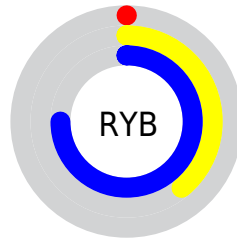
The XYZ color **26.1736, 40.2787, 45.9302** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **21.5964, 11.1212, 1.5820**, and the grayscale version is **21.8351, 22.9722, 25.0167**.

A 20% lighter version of the original color is **52.9378, 75.5029, 85.1822**, and **12.3969, 19.2718, 21.1556** is the 20% darker color. If you saturate the color by 10%, you get **26.1741, 40.2799, 45.9296**, and if you desaturate by 10%, it is **26.6210, 40.4900, 46.8677**.

Distribution



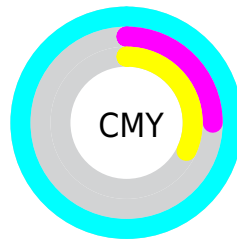
- Red (0%)
- Green (75%)
- Blue (68%)



- Red (0%)
- Yellow (39%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.1736, 40.2787, 45.9302 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 26.1736, 40.2787, 45.9302 by changing the saturation by 10% instead.


 26.1736, 40.2787,
45.9302


 26.1736, 40.2787,
45.9302


275.8743,
347.2969, 386.7974


 17.0869, 27.7559,
31.8425


 52.9842, 75.5877,
85.4477


 10.3922, 18.1417,
20.9774


 71.4388, 99.1427,
111.7146


 5.7240, 11.0518,
12.9164


 93.7468, 127.1440,
142.8782

 2.7170, 6.1017,
7.2409

 120.2734,
159.9758, 179.3572

 1.0060, 2.9070,
3.5325

 151.3842,
198.0226, 221.5701

 0.0000, 1.0834,
1.3726

187.4443,

 0.0000, 0.0000,

241.6688, 269.9354

0.1202

228.8193,
291.2987, 324.8716

■ 0.0000, 0.0000,
0.0000

■ 26.1736, 40.2787,
45.9302

■ 26.1736, 40.2787,
45.9302

■ 26.1741, 40.2799,
45.9296

■ 26.6210, 40.4900,
46.8677

■ 27.3355, 40.8378,
47.8292

■ 28.4142, 41.3730,
48.8200

■ 29.9053, 42.1207,
49.8425

■ 31.8501, 43.1019,
50.8987

■ 34.2847, 44.3353,
51.9903

■ 37.2414, 45.8377,
53.1189

■ 40.7500, 47.6242,
54.2859

■ 44.8378, 49.7091,
55.4927

Harmonies

Analogous

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



27.3354, 40.2787, 28.3476



26.1736, 40.2787, 45.9302



27.9089, 40.2787, 68.8557

Triad

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



26.1736, 40.2787, 45.9302



46.2320, 40.2787, 85.6571



44.8458, 40.2787, 17.3773

Complementary

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



26.1736, 40.2787, 45.9302



21.5964, 11.1212, 1.5820

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.



50.9555, 40.2787, 25.7852



26.1736, 40.2787, 45.9302



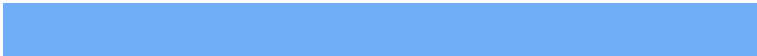
51.8230, 40.2787, 64.1883

Square

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



26.1736, 40.2787, 45.9302



39.0010, 40.2787, 95.8275



53.6495, 40.2787, 41.8465



37.5752, 40.2787, 15.1960

Rectangle

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



26.1736, 40.2787, 45.9302



30.6182, 40.2787, 83.2090



53.6495, 40.2787, 41.8465



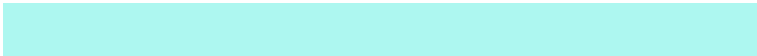
47.1324, 40.2787, 19.4064

Sweetspot

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



26.1748, 40.2802, 45.9312



66.4146, 81.9490, 95.0323



18.9027, 37.4027, 6.2241



14.0663, 17.7320, 20.6773



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



26.1748, 40.2802, 45.9312



46.8271, 72.1195, 81.9977



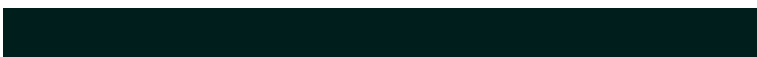
15.4915, 15.9356, 51.5512



9.7688, 10.7936, 12.0317



17.2168, 26.4770, 30.2681



0.6858, 1.0417, 1.2458

Inverse Universe

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



21.5964, 11.1212, 1.5820



38.6392, 19.9010, 2.6321



24.1002, 16.3037, 1.8776



9.5657, 9.5506, 10.1021



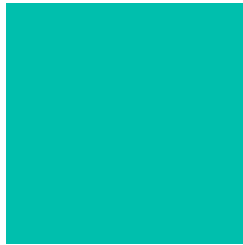
14.2058, 7.3135, 1.1112



0.5689, 0.2915, 0.1091

Previews

White Background



This preview shows how the XYZ color 26.1736, 40.2787, 45.9302 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 26.1736, 40.2787, 45.9302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

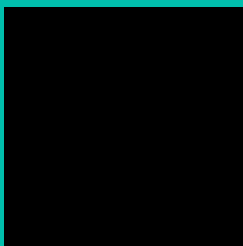
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

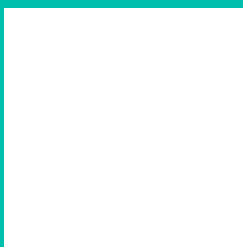
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.1736, 40.2787, 45.9302

Background



This preview shows how black text looks on a background with the XYZ color 26.1736, 40.2787, 45.9302.

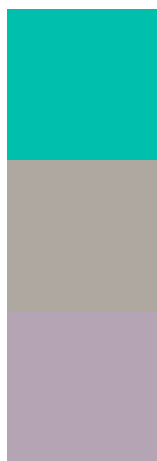


This preview shows how white text looks on a background with the XYZ color 26.1736, 40.2787,

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

26.1736, 40.2787, 45.9302

Protanopia

37.8034, 39.5420, 38.8976

Deuteranopia

40.4682, 39.6293, 48.1642



Tritanopia

29.6499, 40.4333, 62.1188

Trichromacy



Original Color

26.1736, 40.2787, 45.9302



Protanomaly

28.8724, 37.1468, 41.2456



Deuteranomaly

30.1421, 37.0913, 47.1656



Tritanomaly

27.9523, 40.0193, 55.5415

Monochromacy



Original Color

26.1736, 40.2787, 45.9302



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.3138, 26.7739, 31.7010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.1736, 40.2787, 45.9302 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, 191, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 173)  
}
```

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, 191, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 173) }
```

Border

The CSS property to change the border of an element to XYZ 26.1736, 40.2787, 45.9302 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, 191, 173) }
```


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

```
.border{ border-color:rgb(0, 191, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 26.1736, 40.2787, 45.9302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 173) }
```

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

```
.background{ background-color: rgb(0, 191,  
173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor