

Converting Colors

XYZ(26.4361, 40.4710, 47.0433)

Have a look what the booklet for
XYZ(26.4361, 40.4710, 47.0433)
contains.

XYZ(26.3687, 40.3567, 46.9573)	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(26.3687, 40.3567,
46.9573)**

Conversions

Conversions Part 1

Format	Color
Hex	00BFAF
RGB	0, 191, 175
RGB Percent	0%, 75%, 69%
CMY	0.9998, 0.2510, 0.3137
CMYK	1.00, 0.00, 0.08, 0.25
HSL	175°, 100%, 37%
HSV	175°, 100%, 75%
XYZ	26.3687, 40.3567, 46.9573
YIQ	132.0670, -108.7000, -45.4680

Conversions

Conversions Part 2

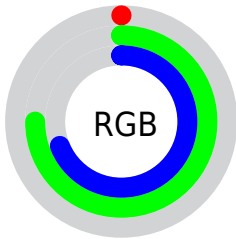
Format	Color
RYB	0, 100, 191
Decimal	49071
CIELab	69.72, -43.39, -3.31
CIELCh	70, 43.519, 184.358
Yxy	40.3567, 0.2319, 0.3550
Android (android.graphics.Color)	4278239151 (0xFF00BFAF)
YUV	132.0670, 21.1660, -115.8228
Hunter-Lab	63.5269, -37.0805, 0.6434

Details

The XYZ color **26.3687, 40.3567, 46.9573** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **21.5808, 11.1151, 1.4998**, and the grayscale version is **21.9150, 23.0563, 25.1084**.

A 20% lighter version of the original color is **53.2172, 75.6147, 86.6532**, and **12.5208, 19.3214, 21.8084** is the 20% darker color. If you saturate the color by 10%, you get **26.3691, 40.3578, 46.9566**, and if you desaturate by 10%, it is **26.7988, 40.5611, 47.8039**.

Distribution



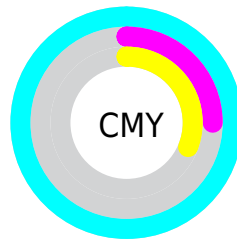
- Red (0%)
- Green (75%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.3687, 40.3567, 46.9573 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 26.3687, 40.3567, 46.9573 by changing the saturation by 10% instead.

■ 26.3687, 40.3567,
46.9573

■ 26.3687, 40.3567,
46.9573

276.8110,
347.6247, 391.0329

■ 17.2338, 27.8168,
32.6478

■ 53.2962, 75.7064,
86.9992

■ 10.4977, 18.1876,
21.5879

■ 71.8196, 99.2849,
113.5687

■ 5.7949, 11.0847,
13.3590

■ 94.2031, 127.3118,
145.0619

■ 2.7603, 6.1239,
7.5426

■ 120.8121,
160.1713, 181.8974

■ 1.0283, 2.9205,
3.7201

■ 152.0121,
198.2480, 224.4937

■ 0.0000, 1.0904,
1.4731

188.1683,

■ 0.0000, 0.0000,

241.9262, 273.2693

0.1978

229.6462,
291.5903, 328.6429

■ 0.0000, 0.0000,
0.0000

■ 26.3687, 40.3567,
46.9573

■ 26.3687, 40.3567,
46.9573

■ 26.3691, 40.3578,
46.9566

■ 26.7988, 40.5611,
47.8039

■ 27.4958, 40.9019,
48.6718

■ 28.5563, 41.4299,
49.5665

■ 30.0289, 42.1701,
50.4903

■ 31.9546, 43.1438,
51.4452

■ 34.3696, 44.3694,
52.4328

■ 37.3063, 45.8637,
53.4548

■ 40.7944, 47.6421,
54.5126

■ 44.8612, 49.7185,
55.6074

Harmonies

Analogous

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



27.3908, 40.3567, 29.1935



26.3687, 40.3567, 46.9573



28.2218, 40.3567, 69.6892

Triad

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



26.3687, 40.3567, 46.9573



46.5264, 40.3567, 84.4051



44.5271, 40.3567, 17.4158

Complementary

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



26.3687, 40.3567, 46.9573



21.5808, 11.1151, 1.4998

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.



50.6696, 40.3567, 25.4743



26.3687, 40.3567, 46.9573



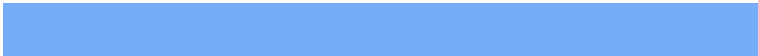
51.9195, 40.3567, 62.9704

Square

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



26.3687, 40.3567, 46.9573



39.3969, 40.3567, 95.1201



53.5211, 40.3567, 41.0578



37.3372, 40.3567, 15.4894

Rectangle

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



26.3687, 40.3567, 46.9573



30.9897, 40.3567, 83.6360



53.5211, 40.3567, 41.0578



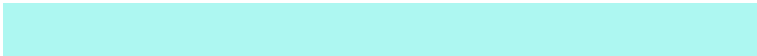
46.8101, 40.3567, 19.3435

Sweetspot

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



26.3699, 40.3582, 46.9583



66.5305, 81.9954, 95.6428



18.9028, 37.4027, 6.2243



14.0951, 17.7436, 20.8293



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.



26.3699, 40.3582, 46.9583



47.1812, 72.2611, 83.8624



15.4919, 15.9363, 51.5513



9.7732, 10.7954, 12.0549



17.3434, 26.5276, 30.9347



0.6896, 1.0432, 1.2659

Inverse Universe

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



21.5808, 11.1151, 1.4998



38.6142, 19.8910, 2.5004



24.1005, 16.3044, 1.8779



9.5618, 9.5490, 10.0812



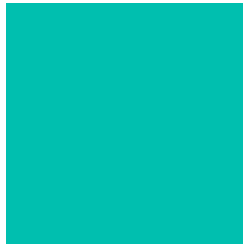
14.1945, 7.3089, 1.0518



0.5671, 0.2908, 0.0999

Previews

White Background



This preview shows how the XYZ color 26.3687, 40.3567, 46.9573 looks on a white background.

Color Contrast Check

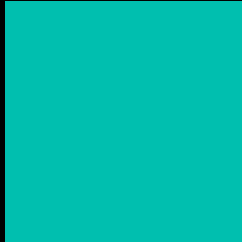
Large Text (above 18pt) WCAG AA × Fail

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 26.3687, 40.3567, 46.9573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

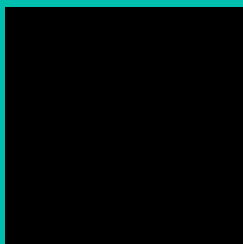
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

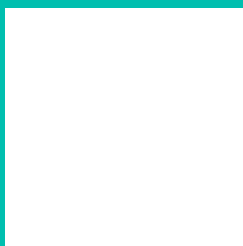
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.3687, 40.3567, 46.9573

Background



This preview shows how black text looks on a background with the XYZ color 26.3687, 40.3567, 46.9573.

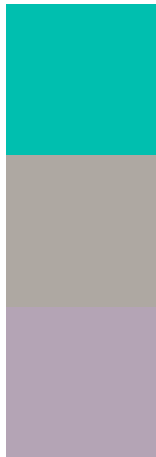


This preview shows how white text looks on a background with the XYZ color 26.3687, 40.3567,

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

26.3687, 40.3567, 46.9573

Protanopia

37.9798, 39.6126, 39.8267

Deuteranopia

40.4383, 39.5904, 49.2264



Tritanopia

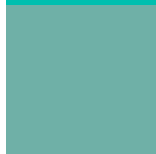
29.6033, 40.4093, 62.1166

Trichromacy



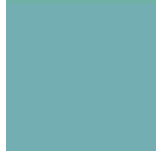
Original Color

26.3687, 40.3567, 46.9573



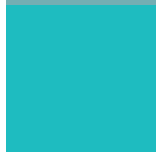
Protanomaly

29.0559, 37.2202, 42.2120



Deuteranomaly

30.3430, 37.1716, 48.2234



Tritanomaly

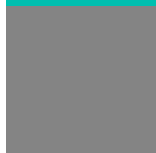
28.0331, 40.0482, 56.1218

Monochromacy



Original Color

26.3687, 40.3567, 46.9573



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.3927, 26.8054, 32.1161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.3687, 40.3567, 46.9573 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 175) }
```

Border

The CSS property to change the border of an element to XYZ 26.3687, 40.3567, 46.9573 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, 175) }
```


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

```
.border{ border-color:rgb(0, 191, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 26.3687, 40.3567, 46.9573 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, 175) }
```

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

```
.background{ background-color: rgb(0, 191,  
175) }
```

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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