

Converting Colors

XYZ(27.0090, 40.6118, 46.8112)

Have a look what the booklet for
XYZ(27.0090, 40.6118, 46.8112)
contains.

XYZ(27.0962, 40.7318, 46.9913)	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(27.0962, 40.7318,
46.9913)**

Conversions

Conversions Part 1

Format	Color
Hex	24BFAF
RGB	36, 191, 175
RGB Percent	14%, 75%, 69%
CMY	0.8588, 0.2510, 0.3137
CMYK	0.81, 0.00, 0.08, 0.25
HSL	174°, 68%, 45%
HSV	174°, 81%, 75%
XYZ	27.0962, 40.7318, 46.9913
YIQ	142.8310, -87.2440, -37.8360

Conversions

Conversions Part 2

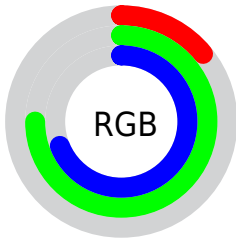
Format	Color
RYB	36, 118, 191
Decimal	2408367
CIELab	69.99, -41.56, -2.89
CIELCh	70, 41.663, 183.973
Yxy	40.7318, 0.2360, 0.3547
Android (android.graphics.Color)	4280598447 (0xFF24BFAF)
YUV	142.8310, 15.8593, -93.6908
Hunter-Lab	63.8215, -35.9032, 1.0202

Details

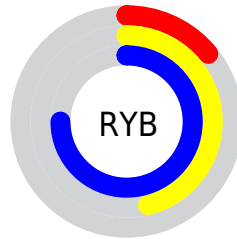
The XYZ color **27.0962, 40.7318, 46.9913** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **22.7379, 12.5872, 4.4815**, and the grayscale version is **26.0066, 27.3609, 29.7960**.

A 20% lighter version of the original color is **54.4059, 76.2275, 86.7088**, and **12.5208, 19.3214, 21.8084** is the 20% darker color. If you saturate the color by 10%, you get **26.4067, 40.3995, 45.9562**, and if you desaturate by 10%, it is **28.1463, 41.2515, 48.0599**.

Distribution



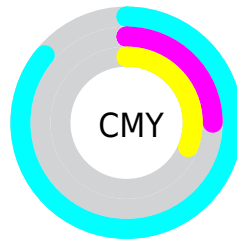
- Red (14%)
- Green (75%)
- Blue (69%)



- Red (14%)
- Yellow (46%)
- Blue (75%)



- Cyan (81%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)



- Cyan (86%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0962, 40.7318, 46.9913 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 27.0962, 40.7318, 46.9913 by changing the saturation by 10% instead.

■ 27.0962, 40.7318,
46.9913

■ 27.0962, 40.7318,
46.9913

280.2817,
349.1984, 391.1726

■ 17.7824, 28.1096,
32.6745

■ 54.4570, 76.2766,
87.0505

■ 10.8926, 18.4083,
21.6081

■ 73.2348, 99.9679,
113.6299

■ 6.0615, 11.2435,
13.3737

■ 95.8979, 128.1178,
145.1340

■ 2.9235, 6.2309,
7.5526

■ 122.8118,
161.1106, 181.9812

■ 1.1134, 2.9860,
3.7264

■ 154.3417,
199.3306, 224.5901

■ 0.0363, 1.1244,
1.4765

190.8531,

■ 0.0000, 0.0000,

243.1623, 273.3793

0.2003

232.7113,
292.9901, 328.7673

■ 0.0000, 0.0000,
0.0000

■ 27.0962, 40.7318,
46.9913

■ 27.0962, 40.7318,
46.9913

■ 26.4067, 40.3995,
45.9562

■ 28.1463, 41.2515,
48.0599

■ 26.0092, 40.2140,
45.0611

■ 29.6030, 41.9796,
49.1614

■ 31.5093, 42.9392,
50.2989

■ 33.9019, 44.1490,
51.4741

■ 36.8134, 45.6261,
52.6885

■ 40.2740, 47.3859,
53.9438

■ 44.3113, 49.4427,
55.2411

■ 48.9510, 51.8097,
56.5819

■ 54.2173, 54.4994,
57.9672

Harmonies

Analogous

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



28.1280, 40.7318, 29.8835



27.0962, 40.7318, 46.9913



28.8654, 40.7318, 68.6962

Triad

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



27.0962, 40.7318, 46.9913



46.4776, 40.7318, 83.1451



44.7302, 40.7318, 18.5221

Complementary

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



27.0962, 40.7318, 46.9913



22.7379, 12.5872, 4.4815

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.



50.5819, 40.7318, 26.5658



27.0962, 40.7318, 46.9913



51.6707, 40.7318, 62.8628

Square

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



27.0962, 40.7318, 46.9913



39.6260, 40.7318, 93.0839



53.2535, 40.7318, 41.8096



37.8168, 40.7318, 16.5298

Rectangle

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



27.0962, 40.7318, 46.9913



31.5321, 40.7318, 81.9816



53.2535, 40.7318, 41.8096



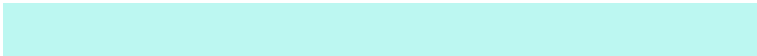
46.9120, 40.7318, 20.4632

Sweetspot

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



27.0974, 40.7334, 46.9923



70.0137, 83.7895, 95.8753



20.4764, 38.1772, 7.9597



14.8838, 18.1499, 20.8753



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.



27.0974, 40.7334, 46.9923



46.7234, 72.0887, 80.9669



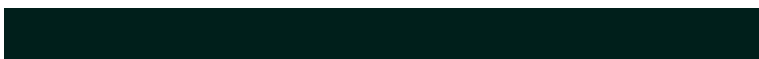
18.3279, 20.5284, 52.2883



9.7650, 10.7921, 12.0119



17.1097, 26.4342, 29.7042



0.6826, 1.0404, 1.2287

Inverse Universe

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



22.7379, 12.5872, 4.4815



38.8252, 20.1043, 3.2144



25.9358, 19.4654, 4.0602



9.5691, 9.5520, 10.1201



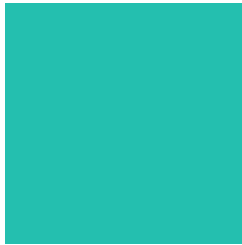
14.2162, 7.3176, 1.1661



0.5704, 0.2921, 0.1170

Previews

White Background



This preview shows how the XYZ color 27.0962, 40.7318, 46.9913 looks on a white background.

Color Contrast Check

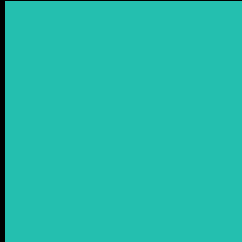
Large Text (above 18pt) WCAG AA × Fail

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 27.0962, 40.7318, 46.9913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

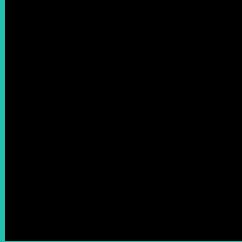
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

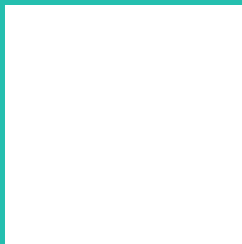
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.0962, 40.7318, 46.9913

Background



This preview shows how black text looks on a background with the XYZ color 27.0962, 40.7318, 46.9913.

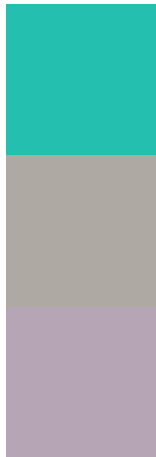


This preview shows how white text looks on a background with the XYZ color 27.0962, 40.7318,

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

27.0962, 40.7318, 46.9913

Protanopia

38.1651, 39.9832, 39.8884

Deuteranopia

40.8517, 40.0702, 49.2973



Tritanopia

30.1183, 40.6748, 62.1407

Trichromacy



Original Color

27.0962, 40.7318, 46.9913



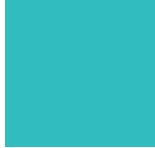
Protanomaly

31.0094, 38.5194, 42.3598



Deuteranomaly

32.1748, 38.1160, 48.3092



Tritanomaly

28.7643, 40.4252, 56.1560

Monochromacy



Original Color

27.0962, 40.7318, 46.9913



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.1961, 30.4512, 35.6127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0962, 40.7318, 46.9913 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(36, 191, 175)` looks like.

```
.text, #text, p{  
    color:rgb(36, 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(36, 191, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 191, 175) }
```

Border

The CSS property to change the border of an element to XYZ 27.0962, 40.7318, 46.9913 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(36, 191, 175) }
```


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

```
.border{ border-color:rgb(36, 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(36, 191, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 191, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 191, 175);  
box-shadow:4px 4px 4px 4px rgb(36, 191,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0962, 40.7318, 46.9913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 191, 175) }
```

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

```
.background{ background-color: rgb(36, 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](#).

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