

Converting Colors

XYZ(27.4042, 40.5335, 48.4989)

Have a look what the booklet for
XYZ(27.4042, 40.5335, 48.4989)
contains.

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Color

**XYZ(27.4042, 40.5335,
48.4989)**

Conversions

Conversions Part 1

Format	Color
Hex	2ABEB2
RGB	42, 190, 178
RGB Percent	16%, 75%, 70%
CMY	0.8353, 0.2549, 0.3020
CMYK	0.78, 0.00, 0.06, 0.25
HSL	175°, 64%, 45%
HSV	175°, 78%, 75%
XYZ	27.4042, 40.5335, 48.4989
YIQ	144.3800, -84.3560, -35.1080

Conversions

Conversions Part 2

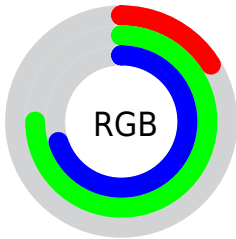
Format	Color
R _Y B	42, 119, 190
Decimal	2801330
CIE Lab	69.85, -39.72, -4.73
CIE LCh	70, 39.998, 186.787
Yxy	40.5335, 0.2354, 0.3481
Android (android.graphics.Color)	4280991410 (0xFF2ABEB2)
YUV	144.3800, 16.5747, -89.7873
Hunter-Lab	63.6659, -34.5823, -0.5993

Details

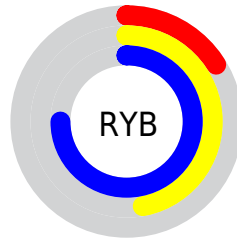
The XYZ color **27.4042, 40.5335, 48.4989** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **22.7304, 12.8707, 4.7778**, and the grayscale version is **26.6238, 28.0103, 30.5033**.

A 20% lighter version of the original color is **55.0515, 76.0394, 89.6175**, and **12.5058, 19.0890, 22.4275** is the 20% darker color. If you saturate the color by 10%, you get **26.6498, 40.1633, 47.6613**, and if you desaturate by 10%, it is **28.5309, 41.0973, 49.3648**.

Distribution



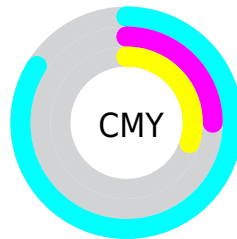
- Red (16%)
- Green (75%)
- Blue (70%)



- Red (16%)
- Yellow (47%)
- Blue (75%)



- Cyan (78%)
- Magenta (0%)
- Yellow (6%)
- Black (25%)





- Cyan (84%)
- Magenta (25%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.4042, 40.5335, 48.4989 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 27.4042, 40.5335, 48.4989 by changing the saturation by 10% instead.


 27.4042, 40.5335,
48.4989


 27.4042, 40.5335,
48.4989


281.7409,
348.3671, 397.3319


 18.0152, 27.9548,
33.8593


 54.9471, 75.9752,
89.3200

 11.0606, 18.2916,
22.5091


 73.8317, 99.6070,
116.3387


 6.1752, 11.1595,
14.0296


 96.6123, 127.6919,
148.3208

 2.9936, 6.1742,
8.0022

 123.6540,
160.6143, 185.6849

 1.1504, 2.9513,
4.0086

 155.3224,
198.7586, 228.8495

 0.0666, 1.1064,
1.6301

191.9828,

 0.0000, 0.0000,

242.5093, 278.2331

0.3121

234.0005,
292.2506, 334.2544

■ 0.0000, 0.0000,
0.0000

■ 27.4042, 40.5335,
48.4989

■ 27.4042, 40.5335,
48.4989

■ 26.6498, 40.1633,
47.6613

■ 28.5309, 41.0973,
49.3648

■ 26.1943, 39.9460,
46.8459

■ 30.0723, 41.8737,
50.2582

■ 26.1122, 39.9074,
46.6756

■ 32.0691, 42.8847,
51.1822

■ 34.5559, 44.1482,
52.1382

■ 37.5643, 45.6802,
53.1278

■ 41.1228, 47.4957,
54.1523

■ 45.2584, 49.6085,
55.2132

■ 49.9957, 52.0313,
56.3114

■ 55.3584, 54.7763,
57.4482

Harmonies

Analogous

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



28.1470, 40.5335, 31.4804



27.4042, 40.5335, 48.4989



29.3617, 40.5335, 69.2147

Triad

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



27.4042, 40.5335, 48.4989



46.5020, 40.5335, 79.4375



43.6628, 40.5335, 18.7418

Complementary

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



27.4042, 40.5335, 48.4989



22.7304, 12.8707, 4.7778

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.



49.4224, 40.5335, 25.9882



27.4042, 40.5335, 48.4989



51.1860, 40.5335, 59.7920

Square

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



27.4042, 40.5335, 48.4989



40.0212, 40.5335, 90.0493



52.3107, 40.5335, 40.0394



37.0682, 40.5335, 17.2864

Rectangle

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



27.4042, 40.5335, 48.4989



32.0799, 40.5335, 81.3464



52.3107, 40.5335, 40.0394



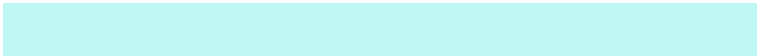
45.7822, 40.5335, 20.4574

Sweetspot

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



27.4054, 40.5350, 48.4999



70.8559, 84.1974, 97.1027



20.3720, 37.7892, 8.4118



15.0601, 18.2344, 21.1749



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.



27.4054, 40.5350, 48.4999



47.7051, 72.4980, 85.3850



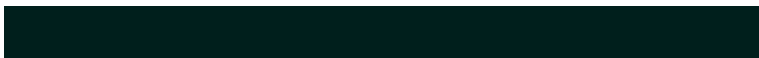
18.0134, 19.7374, 51.5771



9.7743, 10.7958, 12.0609



17.3763, 26.5408, 31.1080



0.6906, 1.0436, 1.2711

Inverse Universe

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



22.7304, 12.8707, 4.7778



39.0047, 20.3758, 3.5437



26.5716, 20.9499, 4.8348



9.5607, 9.5486, 10.0758



14.1917, 7.3078, 1.0373



0.5667, 0.2906, 0.0975

Previews

White Background



This preview shows how the XYZ color 27.4042, 40.5335, 48.4989 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 27.4042, 40.5335, 48.4989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

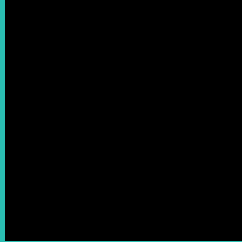
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

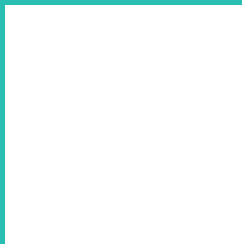
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.4042, 40.5335, 48.4989

Background



This preview shows how black text looks on a background with the XYZ color 27.4042, 40.5335, 48.4989.

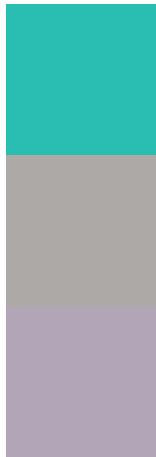


This preview shows how white text looks on a background with the XYZ color 27.4042, 40.5335,

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

27.4042, 40.5335, 48.4989

Protanopia

38.3045, 40.0133, 41.7809

Deuteranopia

40.6973, 39.9547, 50.9144



Tritanopia

30.0232, 40.3119, 62.0757

Trichromacy



Original Color

27.4042, 40.5335, 48.4989



Protanomaly

31.4353, 38.7065, 43.8445



Deuteranomaly

32.6328, 38.3166, 49.9319



Tritanomaly

28.8642, 40.1478, 56.6801

Monochromacy



Original Color

27.4042, 40.5335, 48.4989



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.8090, 31.0158, 36.1316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4042, 40.5335, 48.4989 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(42, 190, 178)` looks like.

```
.text, #text, p{  
  color:rgb(42, 190, 178)  
}
```

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(42, 190, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 190, 178) }
```

Border

The CSS property to change the border of an element to XYZ 27.4042, 40.5335, 48.4989 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(42, 190, 178) }
```


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

```
.border{ border-color:rgb(42, 190, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 190, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 190, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 190, 178);  
box-shadow:4px 4px 4px 4px rgb(42, 190,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4042, 40.5335, 48.4989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 190, 178) }
```

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

```
.background{ background-color: rgb(42, 190,  
178) }
```

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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