

Converting Colors

XYZ(29.5034, 40.0459, 63.1987)

Have a look what the booklet for
XYZ(29.5034, 40.0459, 63.1987)
contains.

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Color

**XYZ(29.4967, 40.0129,
63.2954)**

Conversions

Conversions Part 1

Format	Color
Hex	2CBACC
RGB	44, 186, 204
RGB Percent	17%, 73%, 80%
CMY	0.8274, 0.2706, 0.2000
CMYK	0.78, 0.09, 0.00, 0.20
HSL	187°, 65%, 49%
HSV	187°, 78%, 80%
XYZ	29.4967, 40.0129, 63.2954
YIQ	145.5940, -90.4100, -24.5060

Conversions

Conversions Part 2

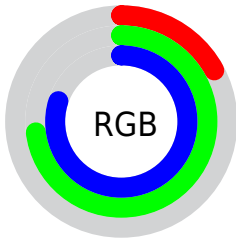
Format	Color
RYB	44, 119, 204
Decimal	2931404
CIELab	69.48, -29.92, -19.54
CIElCh	69, 35.739, 213.143
Yxy	40.0129, 0.2221, 0.3013
Android (android.graphics.Color)	4281121484 (0xFF2CBACC)
YUV	145.5940, 28.7942, -89.0979
Hunter-Lab	63.2558, -27.4615, -15.0481

Details

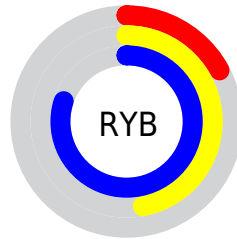
The XYZ color **29.4967, 40.0129, 63.2954** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **27.0803, 16.4661, 4.1352**, and the grayscale version is **27.0702, 28.4800, 31.0147**.

A 20% lighter version of the original color is **57.1382, 74.5062, 105.9774**, and **13.7563, 18.7045, 31.7395** is the 20% darker color. If you saturate the color by 10%, you get **28.3466, 38.7088, 63.1051**, and if you desaturate by 10%, it is **31.0874, 41.5573, 63.5104**.

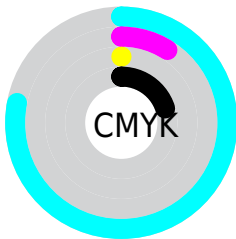
Distribution



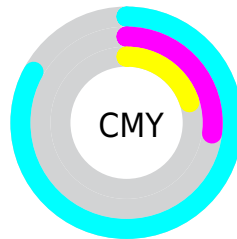
- Red (17%)
- Green (73%)
- Blue (80%)



- Red (17%)
- Yellow (47%)
- Blue (80%)



- Cyan (78%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (83%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4967, 40.0129, 63.2954 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 29.4967, 40.0129, 63.2954 by changing the saturation by 10% instead.

■ 29.4967, 40.0129,
63.2954

■ 29.4967, 40.0129,
63.2954

291.5035,
346.1779, 454.7782

■ 19.6031, 27.5486,
45.6377

■ 58.2574, 75.1832,
111.1853

■ 12.2134, 17.9857,
31.6134

■ 77.8552, 98.6579,
142.2545

■ 6.9624, 10.9397,
20.8040

■ 101.4185,
126.5716, 178.6313

■ 3.4847, 6.0263,
12.7910

■ 129.3125,
159.3086, 220.7343

■ 1.4150, 2.8611,
7.1557

■ 161.9026,
197.2534, 268.9819

■ 0.2669, 1.0596,
3.4798

199.5543,

■ 0.0000, 0.0000,

240.7902, 323.7927

1.3445

242.6328,
290.3036, 385.5853

■ 0.0000, 0.0000,
0.0979

■ 0.0000, 0.0000,
0.0000

■ 29.4967, 40.0129,
63.2954

■ 29.4967, 40.0129,
63.2954

■ 28.3466, 38.7088,
63.1051

■ 31.0874, 41.5573,
63.5104

■ 27.5473, 37.5962,
62.9324

■ 33.1707, 43.3664,
63.7498

■ 27.4335, 37.4282,
62.9060

■ 35.7952, 45.4662,
64.0168

■ 39.0027, 47.8781,
64.3133

■ 42.8307, 50.6218,
64.6411

■ 47.3138, 53.7149,
65.0018

■ 52.4838, 57.1739,
65.3970

■ 58.3705, 61.0144,
65.8280

■ 65.0020, 65.2507,
66.2962

Harmonies

Analogous

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



28.0163, 40.0129, 45.3284



29.4967, 40.0129, 63.2954



33.2472, 40.0129, 78.4029

Triad

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



29.4967, 40.0129, 63.2954



48.7836, 40.0129, 59.5120



37.4274, 40.0129, 18.9640

Complementary

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



29.4967, 40.0129, 63.2954



27.0803, 16.4661, 4.1352

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.



43.2531, 40.0129, 20.9668



29.4967, 40.0129, 63.2954



50.1864, 40.0129, 41.8523

Square

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



29.4967, 40.0129, 63.2954



44.4084, 40.0129, 75.8596



48.0707, 40.0129, 28.4342



32.2955, 40.0129, 22.0523

Rectangle

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



29.4967, 40.0129, 63.2954



36.7250, 40.0129, 83.2209



48.0707, 40.0129, 28.4342



39.3677, 40.0129, 19.0670

Sweetspot

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



29.4980, 40.0144, 63.2964



73.8496, 85.8684, 107.2897



23.4484, 44.0485, 11.5430



15.2564, 17.9960, 22.9194



0.0000, 0.0000, 0.0000



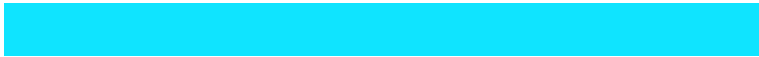
20.3446, 21.4041, 23.3091

Same Dimension

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



29.4980, 40.0144, 63.2964



46.0046, 62.8294, 104.3103



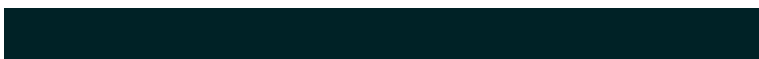
17.3020, 15.6224, 59.2310



11.4313, 12.5031, 14.3812



17.3098, 23.6435, 39.6076



0.9244, 1.2826, 2.0538

Inverse Universe

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



34.6666, 18.1852, 48.1388



55.4234, 27.2135, 75.7549



34.7360, 31.7775, 6.6871



11.6311, 11.3812, 13.8578



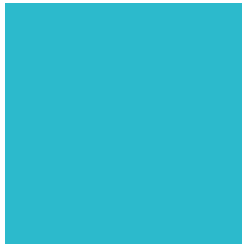
20.9481, 10.1898, 28.5089



1.0965, 0.5320, 1.5543

Previews

White Background



This preview shows how the XYZ color 29.4967, 40.0129, 63.2954 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 29.4967, 40.0129, 63.2954 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

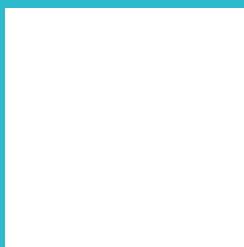
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4967, 40.0129, 63.2954

Background



This preview shows how black text looks on a background with the XYZ color 29.4967, 40.0129, 63.2954.

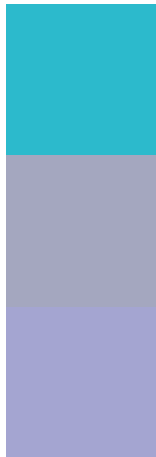


This preview shows how white text looks on a background with the XYZ color 29.4967, 40.0129,

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

29.4967, 40.0129, 63.2954

Protanopia

38.5325, 39.2915, 54.8434

Deuteranopia

40.2736, 39.4062, 65.8051



Tritanopia

29.1744, 39.8743, 62.0360

Trichromacy



Original Color

29.4967, 40.0129, 63.2954

Protanomaly

32.8456, 38.2507, 57.8765

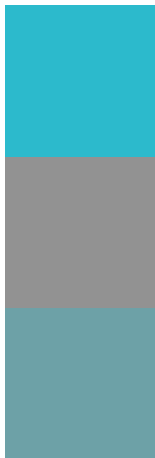
Deuteranomaly

33.9518, 38.3852, 64.6511

Tritanomaly

29.3347, 39.9432, 62.6636

Monochromacy



Original Color

29.4967, 40.0129, 63.2954

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.0266, 31.5310, 41.2736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4967, 40.0129, 63.2954 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(44, 186, 204)` looks like.

```
.text, #text, p{  
    color:rgb(44, 186, 204)  
}
```

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(44, 186, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 186, 204) }
```

Border

The CSS property to change the border of an element to XYZ 29.4967, 40.0129, 63.2954 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(44, 186, 204) }
```


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

```
.border{ border-color:rgb(44, 186, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 186, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 186, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 186, 204);  
box-shadow:4px 4px 4px 4px rgb(44, 186,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4967, 40.0129, 63.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 186, 204) }
```

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

```
.background{ background-color: rgb(44, 186,  
204) }
```

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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