

Converting Colors

XYZ(30.0482, 40.6356, 40.5885)

Have a look what the booklet for
XYZ(30.0482, 40.6356, 40.5885)
contains.

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Color

**XYZ(29.9340, 40.4324,
40.4090)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB9A2
RGB	107, 185, 162
RGB Percent	42%, 73%, 64%
CMY	0.5804, 0.2745, 0.3647
CMYK	0.42, 0.00, 0.12, 0.27
HSL	162°, 36%, 57%
HSV	162°, 42%, 73%
XYZ	29.9340, 40.4324, 40.4090
YIQ	159.0560, -39.1050, -23.6890

Conversions

Conversions Part 2

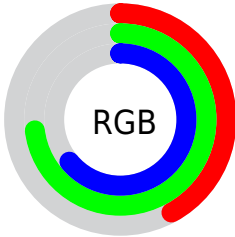
Format	Color
RYB	107, 153, 185
Decimal	7059874
CIELab	69.78, -29.54, 4.16
CIElCh	70, 29.835, 171.977
Yxy	40.4324, 0.2702, 0.3650
Android (android.graphics.Color)	4285249954 (0xFF6BB9A2)
YUV	159.0560, 1.4514, -45.6531
Hunter-Lab	63.5865, -27.2456, 6.8319

Details

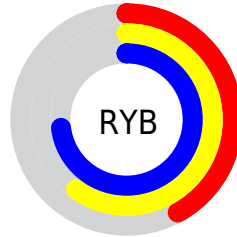
The XYZ color **29.9340, 40.4324, 40.4090** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.2960, 22.4425, 23.9085**, and the grayscale version is **32.9876, 34.7055, 37.7943**.

A 20% lighter version of the original color is **58.8800, 75.6017, 77.1349**, and **12.3469, 18.0885, 17.5925** is the 20% darker color. If you saturate the color by 10%, you get **27.4690, 39.2175, 37.8174**, and if you desaturate by 10%, it is **32.8982, 41.9043, 43.1356**.

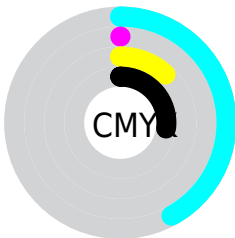
Distribution



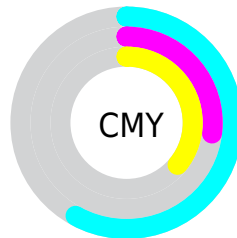
- Red (42%)
- Green (73%)
- Blue (64%)



- Red (42%)
- Yellow (60%)
- Blue (73%)



- Cyan (42%)
- Magenta (0%)
- Yellow (12%)
- Black (27%)





- Cyan (58%)
- Magenta (27%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9340, 40.4324, 40.4090 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 29.9340, 40.4324, 40.4090 by changing the saturation by 10% instead.


 29.9340, 40.4324,
40.4090


 29.9340, 40.4324,
40.4090


293.5120,
347.9427, 363.4477


 19.9363, 27.8758,
27.5414


 58.9451, 75.8215,
77.0298


 12.4568, 18.2321,
17.7442


 78.6893, 99.4228,
101.6201

 7.1300, 11.1167,
10.5990


 102.4130,
127.4746, 130.9550

 3.5906, 6.1454,
5.6871

 130.4816,
160.3611, 165.4530

 1.4732, 2.9337,
2.5901

163.2604,
198.4667, 205.5328

 0.3075, 1.0972,
0.8873

201.1149,

 0.0000, 0.0000,

242.1760, 251.6128

0.0000

244.4103,
291.8732, 304.1116

■ 29.9340, 40.4324,
40.4090

■ 29.9340, 40.4324,
40.4090

■ 27.4690, 39.2175,
37.8174

■ 32.8982, 41.9043,
43.1356

■ 25.4689, 38.2388,
35.3551

■ 36.3863, 43.6427,
45.9971

■ 23.9003, 37.4802,
33.0201


■ 40.4254, 45.6628,
48.9968


■ 22.7238, 36.9215,
30.8091

■ 45.0400, 47.9769,
52.1374

■ 21.8924, 36.5383,
28.7184


■ 50.2527, 50.5969,
55.4210

 21.4090, 36.3231,
27.1595

 56.0850, 53.5337,
58.8500

 62.5574, 56.7979,
62.4266

 69.6874, 60.3984,
66.1528

 70.3604, 60.6676,
69.6969

Harmonies

Analogous

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



31.5570, 40.4324, 29.5668



29.9340, 40.4324, 40.4090



30.4320, 40.4324, 54.7669

Triad

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



29.9340, 40.4324, 40.4090



42.0176, 40.4324, 73.6426



44.4500, 40.4324, 26.1937

Complementary

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



29.9340, 40.4324, 40.4090



29.2960, 22.4425, 23.9085

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.



47.7188, 40.4324, 34.7867



29.9340, 40.4324, 40.4090



46.2344, 40.4324, 62.5602

Square

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



29.9340, 40.4324, 40.4090



37.1459, 40.4324, 76.0287



48.3978, 40.4324, 47.8484



39.7429, 40.4324, 22.5602

Rectangle

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



29.9340, 40.4324, 40.4090



31.9202, 40.4324, 64.3571



48.3978, 40.4324, 47.8484



45.7692, 40.4324, 28.4999

Sweetspot

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



29.9351, 40.4340, 40.4099



71.5909, 81.3738, 87.1730



29.2715, 40.5387, 20.1926



15.0772, 17.3642, 18.5348



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.9351, 40.4340, 40.4099



49.3261, 70.2999, 67.8765



29.0842, 35.1551, 51.1536



9.1508, 10.1643, 10.9513



14.6101, 24.7450, 18.6667



0.5407, 0.8826, 0.7934

Inverse Universe

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



29.2960, 22.4425, 23.9085



48.0390, 33.6178, 34.3122



29.6962, 25.4439, 17.2567



9.1107, 9.0546, 9.9302



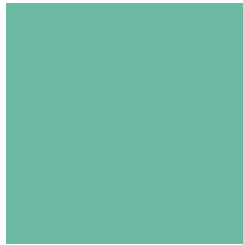
14.1140, 7.2193, 3.2210



0.5256, 0.2657, 0.2611

Previews

White Background



This preview shows how the XYZ color 29.9340, 40.4324, 40.4090 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 29.9340, 40.4324, 40.4090 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 29.9340, 40.4324, 40.4090

Background



This preview shows how black text looks on a background with the XYZ color 29.9340, 40.4324, 40.4090.



This preview shows how white text looks on a background with the XYZ color 29.9340, 40.4324,

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

29.9340, 40.4324, 40.4090

Protanopia

37.8422, 39.9059, 35.8451

Deuteranopia

40.6519, 39.8689, 41.6293



Tritanopia

33.3740, 40.2957, 57.6486

Trichromacy



Original Color

29.9340, 40.4324, 40.4090

Protanomaly

34.0932, 39.6396, 37.3068

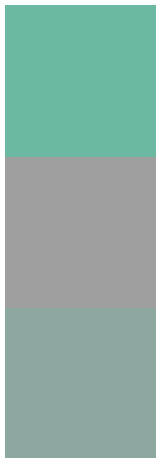
Deuteranomaly

35.6446, 39.4908, 41.3411

Tritanomaly

32.0852, 40.3855, 50.9039

Monochromacy



Original Color

29.9340, 40.4324, 40.4090

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.1630, 36.1188, 38.5869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9340, 40.4324, 40.4090 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(107, 185, 162)` looks like.

```
.text, #text, p{  
    color:rgb(107, 185, 162)  
}
```

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(107, 185, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 185, 162) }
```

Border

The CSS property to change the border of an element to XYZ 29.9340, 40.4324, 40.4090 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(107, 185, 162) }
```


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

```
.border{ border-color:rgb(107, 185, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 185, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 185, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 185, 162);  
box-shadow:4px 4px 4px 4px rgb(107, 185,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9340, 40.4324, 40.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 185, 162) }
```

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

```
.background{ background-color: rgb(107,  
185, 162) }
```

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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