

Converting Colors

XYZ(28.4268, 40.1054, 30.6971)

Have a look what the booklet for
XYZ(28.4268, 40.1054, 30.6971)
contains.

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Color

**XYZ(28.5258, 40.2331,
30.6884)**

Conversions

Conversions Part 1

Format	Color
Hex	6DBA8B
RGB	109, 186, 139
RGB Percent	43%, 73%, 55%
CMY	0.5725, 0.2706, 0.4549
CMYK	0.41, 0.00, 0.25, 0.27
HSL	143°, 36%, 58%
HSV	143°, 41%, 73%
XYZ	28.5258, 40.2331, 30.6884
YIQ	157.6190, -30.8050, -30.9410

Conversions

Conversions Part 2

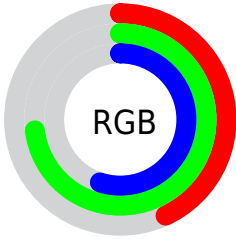
Format	Color
RYB	109, 164, 186
Decimal	7191179
CIELab	69.64, -34.36, 16.52
CIELCh	70, 38.119, 154.323
Yxy	40.2331, 0.2868, 0.4046
Android (android.graphics.Color)	4285381259 (0xFF6DBA8B)
YUV	157.6190, -9.1792, -42.6389
Hunter-Lab	63.4296, -30.7260, 15.7151

Details

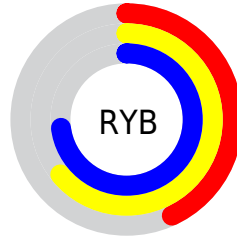
The XYZ color **28.5258, 40.2331, 30.6884** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **31.7204, 23.7776, 34.3718**, and the grayscale version is **32.3780, 34.0641, 37.0958**.

A 20% lighter version of the original color is **56.9861, 75.8440, 62.0879**, and **11.6300, 18.0360, 12.3195** is the 20% darker color. If you saturate the color by 10%, you get **25.6884, 38.8624, 26.4481**, and if you desaturate by 10%, it is **31.9357, 41.8912, 35.4070**.

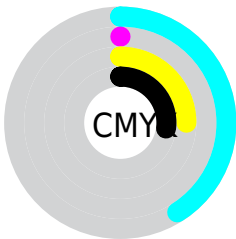
Distribution



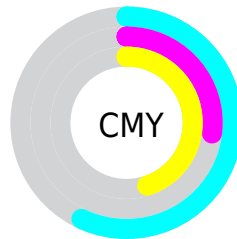
- Red (43%)
- Green (73%)
- Blue (55%)



- Red (43%)
- Yellow (64%)
- Blue (73%)



- Cyan (41%)
- Magenta (0%)
- Yellow (25%)
- Black (27%)





- Cyan (57%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5258, 40.2331, 30.6884 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 28.5258, 40.2331, 30.6884 by changing the saturation by 10% instead.


 28.5258, 40.2331,
30.6884


 28.5258, 40.2331,
30.6884


287.0057,
347.1051, 319.4068


 18.8649, 27.7203,
20.1052


 56.7256, 75.5183,
61.8230


 11.6761, 18.1150,
12.2867


 75.9952, 99.0596,
83.2114

 6.5942, 11.0325,
6.8144


 99.1984, 127.0458,
109.0387

 3.2537, 6.0887,
3.2696

 126.7005,
159.8614, 139.7234

 1.2893, 2.8991,
1.2339

158.8670,
197.8907, 175.6840

 0.1752, 1.0793,
0.0067

196.0631,

 0.0000, 0.0000,

241.5182, 217.3391

0.0000

238.6542,
291.1282, 265.1072

■ 28.5258, 40.2331,
30.6884

■ 28.5258, 40.2331,
30.6884

■ 25.6884, 38.8624,
26.4481

■ 31.9357, 41.8912,
35.4070

■ 23.3869, 37.7572,
22.6682

■ 35.9455, 43.8472,
40.6158

■ 21.5852, 36.9003,
19.3335


■ 40.5846, 46.1171,
46.3294


■ 20.2412, 36.2704,
16.4269

■ 45.8796, 48.7143,
52.5612


■ 19.3052, 35.8422,
13.9301


■ 51.8554, 51.6514,
59.3240

 18.7446, 35.5933,
12.0933

 58.5356, 54.9404,
66.6301

 65.9427, 58.5926,
74.4915

 73.0588, 62.0830,
82.8711

 74.7044, 62.7412,
91.5366

Harmonies

Analogous

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



31.9415, 40.2331, 21.3352



28.5258, 40.2331, 30.6884



27.6014, 40.2331, 46.4146

Triad

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



28.5258, 40.2331, 30.6884



39.1403, 40.2331, 87.0985



48.8831, 40.2331, 27.3252

Complementary

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



28.5258, 40.2331, 30.6884



31.7204, 23.7776, 34.3718

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.



51.3124, 40.2331, 41.2989



28.5258, 40.2331, 30.6884



45.3171, 40.2331, 78.2287

Square

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



28.5258, 40.2331, 30.6884



33.3331, 40.2331, 82.0539



49.9425, 40.2331, 60.2150



43.6070, 40.2331, 19.7909

Rectangle

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



28.5258, 40.2331, 30.6884



28.4286, 40.2331, 59.3209



49.9425, 40.2331, 60.2150



50.0840, 40.2331, 31.2653

Sweetspot

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



28.5269, 40.2348, 30.6893



72.8427, 83.2356, 83.1080



34.1246, 43.3400, 21.0354



15.7868, 18.2053, 17.9937



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



28.5269, 40.2348, 30.6893



46.8266, 70.5661, 48.3526



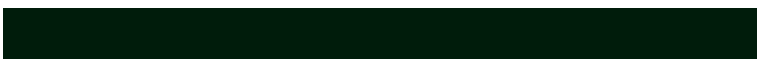
31.8044, 41.5457, 47.9483



9.0313, 10.1165, 10.3224



12.6447, 23.9588, 8.3170



0.4764, 0.8569, 0.4547

Inverse Universe

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



31.7204, 23.7776, 34.3718



53.4135, 36.5695, 55.9085



28.9885, 22.6849, 19.9857



9.2287, 9.1018, 10.5516



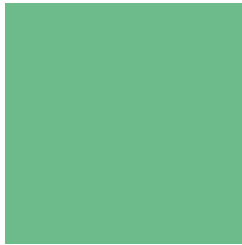
15.6866, 7.8484, 11.5021



0.5824, 0.2884, 0.5603

Previews

White Background



This preview shows how the XYZ color 28.5258, 40.2331, 30.6884 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 28.5258, 40.2331, 30.6884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

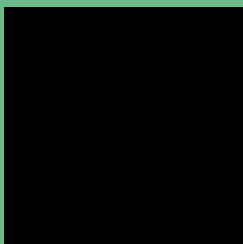
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

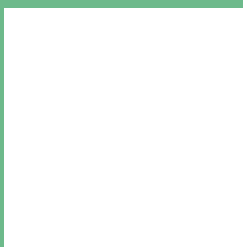
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5258, 40.2331, 30.6884

Background



This preview shows how black text looks on a background with the XYZ color 28.5258, 40.2331, 30.6884.

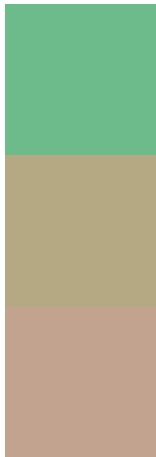


This preview shows how white text looks on a background with the XYZ color 28.5258, 40.2331,

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

28.5258, 40.2331, 30.6884

Protanopia

37.3408, 39.8384, 27.1942

Deuteranopia

40.3794, 39.6773, 31.9158



Tritanopia

33.6309, 40.1554, 56.4303

Trichromacy



Original Color

28.5258, 40.2331, 30.6884

Protanomaly

33.1506, 39.3497, 28.4023

Deuteranomaly

34.5497, 38.8653, 31.2720

Tritanomaly

31.6069, 40.2549, 45.6393

Monochromacy



Original Color

28.5258, 40.2331, 30.6884

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.4038, 35.8151, 34.5887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5258, 40.2331, 30.6884 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(109, 186, 139)` looks like.

```
.text, #text, p{  
    color:rgb(109, 186, 139)  
}
```

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(109, 186, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 186, 139) }
```

Border

The CSS property to change the border of an element to XYZ 28.5258, 40.2331, 30.6884 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(109, 186, 139) }
```


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

```
.border{ border-color:rgb(109, 186, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 186, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 186, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 186, 139);  
box-shadow:4px 4px 4px 4px rgb(109, 186,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5258, 40.2331, 30.6884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 186, 139) }
```

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

```
.background{ background-color: rgb(109,  
186, 139) }
```

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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