

Converting Colors

XYZ(24.9505, 33.4240, 40.4495)

Have a look what the booklet for
XYZ(24.9505, 33.4240, 40.4495)
contains.

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Color

**XYZ(24.9133, 33.4082,
40.2573)**

Conversions

Conversions Part 1

Format	Color
Hex	56AAA4
RGB	86, 170, 164
RGB Percent	34%, 67%, 64%
CMY	0.6627, 0.3333, 0.3569
CMYK	0.49, 0.00, 0.04, 0.33
HSL	176°, 33%, 50%
HSV	176°, 49%, 67%
XYZ	24.9133, 33.4082, 40.2573
YIQ	144.2000, -48.1380, -19.6740

Conversions

Conversions Part 2

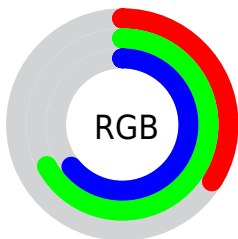
Format	Color
RYB	86, 130, 170
Decimal	5679780
CIELab	64.49, -26.95, -4.77
CIElCh	64, 27.370, 190.037
Yxy	33.4082, 0.2527, 0.3389
Android (android.graphics.Color)	4283869860 (0xFF56AAA4)
YUV	144.2000, 9.7614, -51.0414
Hunter-Lab	57.7998, -24.2113, -0.8353

Details

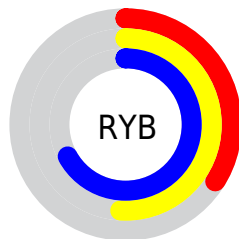
The XYZ color **24.9133, 33.4082, 40.2573** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.8382, 15.9753, 12.0589**, and the grayscale version is **26.5665, 27.9500, 30.4375**.

A 20% lighter version of the original color is **51.1379, 65.2580, 76.9186**, and **9.6393, 14.0746, 17.5379** is the 20% darker color. If you saturate the color by 10%, you get **23.4215, 32.6525, 39.6183**, and if you desaturate by 10%, it is **26.7804, 34.3588, 40.9208**.

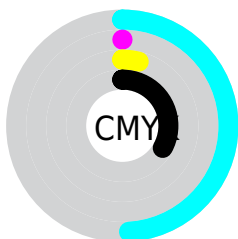
Distribution



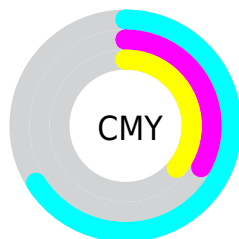
- Red (34%)
- Green (67%)
- Blue (64%)



- Red (34%)
- Yellow (51%)
- Blue (67%)



- Cyan (49%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)



- Cyan (66%)
- Magenta (33%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9133, 33.4082, 40.2573 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 24.9133, 33.4082, 40.2573 by changing the saturation by 10% instead.

■ 24.9133, 33.4082,
40.2573

■ 24.9133, 33.4082,
40.2573

269.7615,
317.4851, 362.7911

■ 16.1409, 22.4393,
27.4239

■ 50.9604, 65.0123,
76.7965

■ 9.7154, 14.1801,
17.6566

■ 68.9659, 86.4163,
101.3394

■ 5.2715, 8.2460,
10.5368

■ 90.7796, 112.0676,
130.6226

■ 2.4438, 4.2528,
5.6461

■ 116.7671,
142.3503, 165.0646

■ 0.8670, 1.8159,
2.5658

147.2937,
177.6491, 205.0839

■ 0.0000, 0.4971,
0.8747

182.7247,

■ 0.0000, 0.0000,

218.3482, 251.0990

0.0000

223.4256,
264.8321, 303.5286

■ 24.9133, 33.4082,
40.2573

■ 24.9133, 33.4082,
40.2573

■ 23.4215, 32.6525,
39.6183

■ 26.7804, 34.3588,
40.9208

■ 22.2752, 32.0741,
39.0001

■ 29.0441, 35.5129,
41.6077

■ 21.4450, 31.6585,
38.4022

■ 31.7274, 36.8832,
42.3197

■ 20.8952, 31.3873,
37.8229

■ 34.8508, 38.4803,
43.0578

■ 20.5532, 31.2231,
37.2586

■ 38.4337, 40.3141,
43.8229

■ 20.5345, 31.2142,
37.2256

■ 42.4939, 42.3939,
44.6159

■ 47.0485, 44.7284,
45.4376

■ 52.1138, 47.3260,
46.2888

■ 57.7052, 50.1948,
47.1702

Harmonies

Analogous

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



25.2007, 33.4082, 29.5113



24.9133, 33.4082, 40.2573



26.3402, 33.4082, 52.0520

Triad

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



24.9133, 33.4082, 40.2573



36.8374, 33.4082, 55.4681



34.3890, 33.4082, 19.6646

Complementary

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



24.9133, 33.4082, 40.2573



21.8382, 15.9753, 12.0589

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.



37.8619, 33.4082, 24.2129



24.9133, 33.4082, 40.2573



39.3538, 33.4082, 44.2301

Square

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



24.9133, 33.4082, 40.2573



33.0813, 33.4082, 61.9518



39.7434, 33.4082, 32.7523



30.4617, 33.4082, 19.0318

Rectangle

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



24.9133, 33.4082, 40.2573



28.1460, 33.4082, 58.3897



39.7434, 33.4082, 32.7523



35.6567, 33.4082, 20.7341

Sweetspot

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



24.9143, 33.4095, 40.2581



59.8103, 68.0665, 77.3301



20.5697, 31.7498, 13.8490



13.0862, 15.0504, 17.1842



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.9143, 33.4095, 40.2581



42.3383, 59.1636, 71.8054



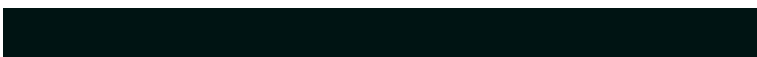
19.7584, 22.2098, 41.2772



7.7241, 8.5227, 9.5331



15.1135, 22.9642, 27.4282



0.3743, 0.5614, 0.7021

Inverse Universe

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



21.8382, 15.9753, 12.0589



36.1311, 23.9071, 14.8458



25.0958, 22.8938, 11.9011



7.5520, 7.5507, 7.9583



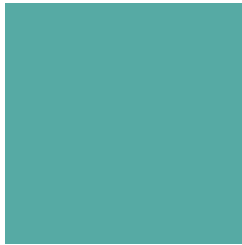
12.2526, 6.3097, 0.8757



0.3047, 0.1561, 0.0559

Previews

White Background



This preview shows how the XYZ color 24.9133, 33.4082, 40.2573 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 24.9133, 33.4082, 40.2573 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

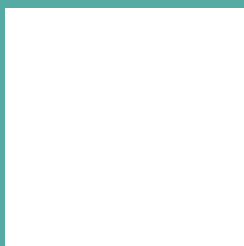
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9133, 33.4082, 40.2573

Background



This preview shows how black text looks on a background with the XYZ color 24.9133, 33.4082, 40.2573.

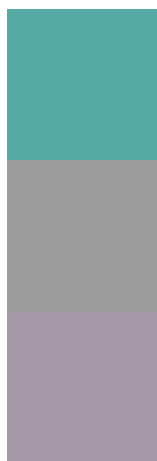


This preview shows how white text looks on a background with the XYZ color 24.9133, 33.4082,

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

24.9133, 33.4082, 40.2573

Protanopia

31.7383, 33.0783, 35.7223

Deuteranopia

33.6515, 32.9597, 41.6340



Tritanopia

26.5728, 33.2489, 48.7332

Trichromacy



Original Color

24.9133, 33.4082, 40.2573

Protanomaly

28.2581, 32.5158, 37.1346

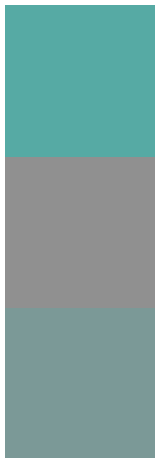
Deuteranomaly

29.3553, 32.4780, 41.2809

Tritanomaly

25.9569, 33.2741, 45.6119

Monochromacy



Original Color

24.9133, 33.4082, 40.2573

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.1455, 29.2278, 33.5944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9133, 33.4082, 40.2573 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(86, 170, 164)` looks like.

```
.text, #text, p{  
    color:rgb(86, 170, 164)  
}
```

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(86, 170, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 170, 164) }
```

Border

The CSS property to change the border of an element to XYZ 24.9133, 33.4082, 40.2573 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(86, 170, 164) }
```


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

```
.border{ border-color:rgb(86, 170, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 170, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 170, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 170, 164);  
box-shadow:4px 4px 4px 4px rgb(86, 170,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9133, 33.4082, 40.2573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 170, 164) }
```

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

```
.background{ background-color: rgb(86, 170,  
164) }
```

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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