

Converting Colors

XYZ(24.6643, 33.9922, 38.3143)

Have a look what the booklet for
XYZ(24.6643, 33.9922, 38.3143)
contains.

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Color

**XYZ(24.6650, 33.8821,
38.4976)**

Conversions

Conversions Part 1

Format	Color
Hex	53ACA0
RGB	83, 172, 160
RGB Percent	33%, 67%, 63%
CMY	0.6745, 0.3255, 0.3725
CMYK	0.52, 0.00, 0.07, 0.33
HSL	172°, 35%, 50%
HSV	172°, 52%, 67%
XYZ	24.6650, 33.8821, 38.4976
YIQ	144.0210, -49.1920, -22.6000

Conversions

Conversions Part 2

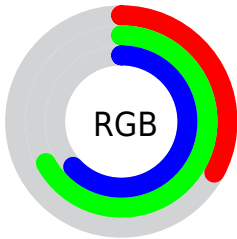
Format	Color
RYB	83, 131, 172
Decimal	5483680
CIELab	64.87, -29.65, -1.99
CIElCh	65, 29.718, 183.848
Yxy	33.8821, 0.2542, 0.3491
Android (android.graphics.Color)	4283673760 (0xFF53ACA0)
YUV	144.0210, 7.8776, -53.5154
Hunter-Lab	58.2083, -26.2276, 1.5328

Details

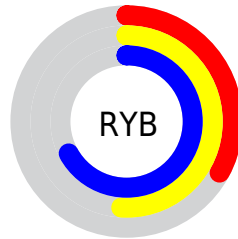
The XYZ color **24.6650, 33.8821, 38.4976** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.1733, 15.7845, 12.7059**, and the grayscale version is **26.5021, 27.8822, 30.3638**.

A 20% lighter version of the original color is **50.6566, 65.8821, 74.3366**, and **9.5883, 14.4169, 16.7454** is the 20% darker color. If you saturate the color by 10%, you get **23.1308, 33.1153, 37.3771**, and if you desaturate by 10%, it is **26.5814, 34.8472, 39.6573**.

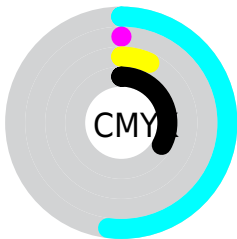
Distribution



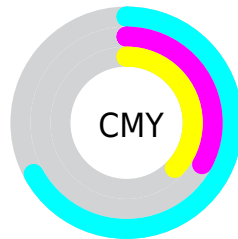
- Red (33%)
- Green (67%)
- Blue (63%)



- Red (33%)
- Yellow (51%)
- Blue (67%)



- Cyan (52%)
- Magenta (0%)
- Yellow (7%)
- Black (33%)



- Cyan (67%)
- Magenta (33%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6650, 33.8821, 38.4976 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 24.6650, 33.8821, 38.4976 by changing the saturation by 10% instead.

■ 24.6650, 33.8821,
38.4976

■ 24.6650, 33.8821,
38.4976

268.5440,
319.6060, 355.1117

■ 15.9550, 22.8030,
26.0643

■ 50.5601, 65.7503,
74.0821

■ 9.5830, 14.4481,
16.6455

■ 68.4759, 87.3082,
98.0703

■ 5.1835, 8.4330,
9.8228

■ 90.1910, 113.1278,
126.7472

■ 2.3912, 4.3732,
5.1776

■ 116.0708,
143.5936, 160.5314

■ 0.8407, 1.8845,
2.2913

146.4807,
179.0900, 199.8415

■ 0.0000, 0.5390,
0.7263

181.7859,

■ 0.0000, 0.0000,

220.0012, 245.0958

0.0000

222.3519,
266.7117, 296.7131

■ 24.6650, 33.8821,
38.4976

■ 24.6650, 33.8821,
38.4976

■ 23.1308, 33.1153,
37.3771

■ 26.5814, 34.8472,
39.6573

■ 21.9475, 32.5280,
36.2919

■ 28.9025, 36.0197,
40.8550

■ 21.0837, 32.1051,
35.2412

■ 31.6526, 37.4128,
42.0928

■ 20.5008, 31.8265,
34.2231

■ 34.8532, 39.0378,
43.3718

■ 20.1626, 31.6699,
33.4037

■ 38.5243, 40.9049,
44.6929

■ 42.6848, 43.0238,
46.0573

■ 47.3524, 45.4037,
47.4657

■ 52.5441, 48.0534,
48.9192

■ 58.2759, 50.9810,
50.4185

Harmonies

Analogous

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



25.3618, 33.8821, 27.4408



24.6650, 33.8821, 38.4976



25.8361, 33.8821, 51.6524

Triad

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



24.6650, 33.8821, 38.4976



37.0130, 33.8821, 60.1560



35.9724, 33.8821, 19.5101

Complementary

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



24.6650, 33.8821, 38.4976



22.1733, 15.7845, 12.7059

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.



39.5405, 33.8821, 25.2509



24.6650, 33.8821, 38.4976



40.1777, 33.8821, 48.2964

Square

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



24.6650, 33.8821, 38.4976



32.7598, 33.8821, 65.7881



41.1410, 33.8821, 35.3314



31.6543, 33.8821, 18.0060

Rectangle

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



24.6650, 33.8821, 38.4976



27.5851, 33.8821, 59.4053



41.1410, 33.8821, 35.3314



37.3115, 33.8821, 20.9345

Sweetspot

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



24.6660, 33.8834, 38.4984



60.4846, 69.4250, 77.6163



21.1758, 32.6368, 13.3679



12.8969, 14.9618, 16.7681



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.



24.6660, 33.8834, 38.4984



41.6310, 59.9093, 67.5319



20.5176, 23.8244, 42.5483



8.1892, 9.0532, 10.0211



15.0184, 23.5726, 24.9344



0.4304, 0.6608, 0.7599

Inverse Universe

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



22.1733, 15.7845, 12.7059



36.6350, 23.4514, 15.7013



24.6100, 21.4649, 11.0305



8.0476, 8.0323, 8.5614



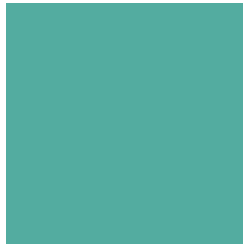
12.7895, 6.5783, 1.2710



0.3692, 0.1884, 0.1058

Previews

White Background



This preview shows how the XYZ color 24.6650, 33.8821, 38.4976 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 24.6650, 33.8821, 38.4976 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 24.6650, 33.8821, 38.4976

Background



This preview shows how black text looks on a background with the XYZ color 24.6650, 33.8821, 38.4976.

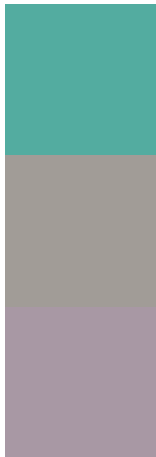


This preview shows how white text looks on a background with the XYZ color 24.6650, 33.8821,

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

24.6650, 33.8821, 38.4976

Protanopia

32.1723, 33.5884, 34.0657

Deuteranopia

34.0775, 33.4616, 39.7846



Tritanopia

26.8479, 33.9270, 49.3895

Trichromacy



Original Color

24.6650, 33.8821, 38.4976

Protanomaly

28.4259, 33.1603, 35.4742

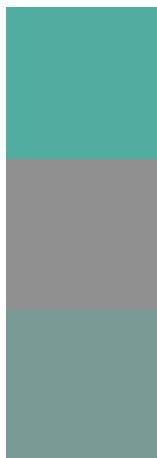
Deuteranomaly

29.3255, 32.7590, 39.4278

Tritanomaly

25.9452, 33.8317, 45.2071

Monochromacy



Original Color

24.6650, 33.8821, 38.4976

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.0867, 29.4508, 33.2165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6650, 33.8821, 38.4976 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(83, 172, 160)` looks like.

```
.text, #text, p{  
    color:rgb(83, 172, 160)  
}
```

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(83, 172, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 172, 160) }
```

Border

The CSS property to change the border of an element to XYZ 24.6650, 33.8821, 38.4976 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(83, 172, 160) }
```


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

```
.border{ border-color:rgb(83, 172, 160) }
```

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

Here you see how a box with a 4 pixel rgb(83, 172, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 172, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 172, 160);  
box-shadow:4px 4px 4px 4px rgb(83, 172,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6650, 33.8821, 38.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 172, 160) }
```

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

```
.background{ background-color: rgb(83, 172,  
160) }
```

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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