

Converting Colors

XYZ(24.6807, 33.5359, 41.7337)

Have a look what the booklet for
XYZ(24.6807, 33.5359, 41.7337)
contains.

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Color

**XYZ(24.6798, 33.5355,
41.7315)**

Conversions

Conversions Part 1

Format	Color
Hex	4EABA7
RGB	78, 171, 167
RGB Percent	31%, 67%, 65%
CMY	0.6941, 0.3294, 0.3451
CMYK	0.54, 0.00, 0.02, 0.33
HSL	177°, 37%, 49%
HSV	177°, 54%, 67%
XYZ	24.6798, 33.5355, 41.7315
YIQ	142.7370, -54.1440, -20.9600

Conversions

Conversions Part 2

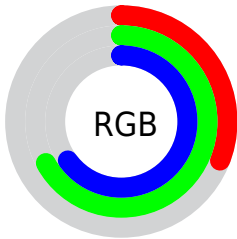
Format	Color
RYB	78, 126, 171
Decimal	5155751
CIELab	64.59, -28.39, -6.33
CIElCh	65, 29.091, 192.558
Yxy	33.5355, 0.2469, 0.3355
Android (android.graphics.Color)	4283345831 (0xFF4EABA7)
YUV	142.7370, 11.9617, -56.7743
Hunter-Lab	57.9098, -25.2698, -2.1892

Details

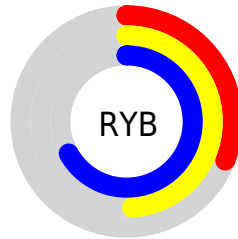
The XYZ color **24.6798, 33.5355, 41.7315** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.0430, 14.7168, 9.7152**, and the grayscale version is **25.9738, 27.3264, 29.7585**.

A 20% lighter version of the original color is **50.6456, 65.3630, 79.0543**, and **9.5729, 14.1947, 18.4550** is the 20% darker color. If you saturate the color by 10%, you get **23.3893, 32.8788, 41.3177**, and if you desaturate by 10%, it is **26.3370, 34.3827, 42.1659**.

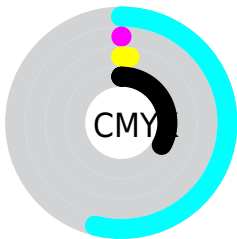
Distribution



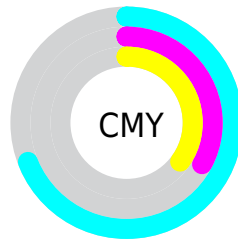
- Red (31%)
- Green (67%)
- Blue (65%)



- Red (31%)
- Yellow (49%)
- Blue (67%)



- Cyan (54%)
- Magenta (0%)
- Yellow (2%)
- Black (33%)



- Cyan (69%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6798, 33.5355, 41.7315 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 24.6798, 33.5355, 41.7315 by changing the saturation by 10% instead.

■ 24.6798, 33.5355,
41.7315

■ 24.6798, 33.5355,
41.7315

268.6167,
318.0559, 369.1355

■ 15.9661, 22.5370,
28.5671

■ 50.5839, 65.2107,
79.0588

■ 9.5909, 14.2520,
18.5108

■ 68.5051, 86.6561,
104.0588

■ 5.1887, 8.2961,
11.1441

■ 90.2261, 112.3527,
133.8410

■ 2.3943, 4.2850,
6.0485

■ 116.1124,
142.6848, 168.8241

■ 0.8423, 1.8342,
2.8053

■ 146.5292,
178.0367, 209.4266

■ 0.0000, 0.5084,
0.9961

181.8419,

■ 0.0000, 0.0000,

218.7929, 256.0669

0.0000

222.4160,
265.3379, 309.1637

■ 24.6798, 33.5355,
41.7315

■ 24.6798, 33.5355,
41.7315

■ 23.3893, 32.8788,
41.3177

■ 26.3370, 34.3827,
42.1659

■ 22.4336, 32.3939,
40.9209

■ 28.3836, 35.4298,
42.6198

■ 21.7804, 32.0650,
40.5403

■ 30.8441, 36.6903,
43.0952

■ 21.3897, 31.8713,
40.1740

■ 33.7400, 38.1752,
43.5929

■ 21.2323, 31.7944,
39.9720

■ 37.0915, 39.8949,
44.1140

■ 40.9175, 41.8591,
44.6593

■ 45.2356, 44.0771,
45.2297

■ 50.0627, 46.5573,
45.8260

■ 55.4150, 49.3083,
46.4489

Harmonies

Analogous

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



24.8290, 33.5355, 30.0628



24.6798, 33.5355, 41.7315



26.3324, 33.5355, 54.3254

Triad

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



24.6798, 33.5355, 41.7315



37.6030, 33.5355, 56.1460



34.3354, 33.5355, 18.7143

Complementary

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



24.6798, 33.5355, 41.7315



21.0430, 14.7168, 9.7152

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.



38.1442, 33.5355, 23.0961



24.6798, 33.5355, 41.7315



40.1407, 33.5355, 43.8288

Square

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



24.6798, 33.5355, 41.7315



33.6476, 33.5355, 63.7853



40.3469, 33.5355, 31.7514



30.1648, 33.5355, 18.3923

Rectangle

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



24.6798, 33.5355, 41.7315



28.3248, 33.5355, 60.8834



40.3469, 33.5355, 31.7514



35.7091, 33.5355, 19.7087

Sweetspot

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



24.6808, 33.5368, 41.7323



59.3783, 67.8308, 77.8975



19.4755, 31.5003, 12.2621



13.0039, 15.0046, 17.3315



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.



24.6808, 33.5368, 41.7323



41.5434, 58.7073, 73.8677



18.3636, 20.3011, 41.4801



8.2212, 9.0660, 10.1899



16.0105, 23.9695, 30.1589



0.4499, 0.6686, 0.8625

Inverse Universe

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



21.0430, 14.7168, 9.7152



34.3721, 21.5425, 10.7037



24.8693, 22.6060, 10.2611



8.0187, 8.0207, 8.4092



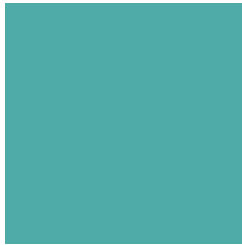
12.6961, 6.5410, 0.7793



0.3576, 0.1837, 0.0450

Previews

White Background



This preview shows how the XYZ color 24.6798, 33.5355, 41.7315 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 24.6798, 33.5355, 41.7315 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

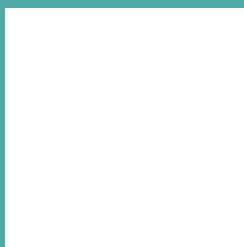
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6798, 33.5355, 41.7315

Background



This preview shows how black text looks on a background with the XYZ color 24.6798, 33.5355, 41.7315.

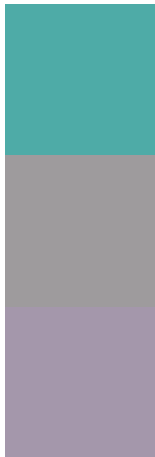


This preview shows how white text looks on a background with the XYZ color 24.6798, 33.5355,

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

24.6798, 33.5355, 41.7315

Protanopia

31.9077, 33.1461, 36.6144

Deuteranopia

33.7271, 32.9660, 43.1135



Tritanopia

26.2876, 33.6382, 49.3633

Trichromacy



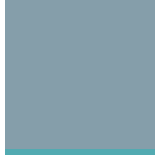
Original Color

24.6798, 33.5355, 41.7315



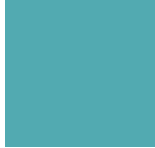
Protanomaly

28.2312, 32.7301, 38.5478



Deuteranomaly

29.1554, 32.3425, 42.7363



Tritanomaly

25.7902, 33.7176, 46.7438

Monochromacy



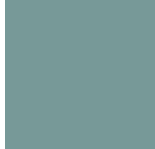
Original Color

24.6798, 33.5355, 41.7315



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.6665, 28.9714, 33.9977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6798, 33.5355, 41.7315 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(78, 171, 167)` looks like.

```
.text, #text, p{  
    color:rgb(78, 171, 167)  
}
```

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(78, 171, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 171, 167) }
```

Border

The CSS property to change the border of an element to XYZ 24.6798, 33.5355, 41.7315 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(78, 171, 167) }
```


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

```
.border{ border-color:rgb(78, 171, 167) }
```

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

Here you see how a box with a 4 pixel rgb(78, 171, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 171, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 171, 167);  
box-shadow:4px 4px 4px 4px rgb(78, 171,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6798, 33.5355, 41.7315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 171, 167) }
```

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

```
.background{ background-color: rgb(78, 171,  
167) }
```

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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