

Converting Colors

XYZ(32.4049, 42.3021, 53.4585)

Have a look what the booklet for
XYZ(32.4049, 42.3021, 53.4585)
contains.

XYZ(32.4323, 42.3791, 53.4843)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.4323, 42.3791,
53.4843)**

Conversions

Conversions Part 1

Format	Color
Hex	66BCBB
RGB	102, 188, 187
RGB Percent	40%, 74%, 73%
CMY	0.6000, 0.2627, 0.2667
CMYK	0.46, 0.00, 0.01, 0.26
HSL	179°, 39%, 57%
HSV	179°, 46%, 74%
XYZ	32.4323, 42.3791, 53.4843
YIQ	162.1720, -50.9350, -18.5430

Conversions

Conversions Part 2

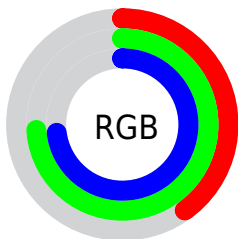
Format	Color
RYB	102, 145, 188
Decimal	6732987
CIELab	71.13, -26.17, -7.58
CIElCh	71, 27.247, 196.147
Yxy	42.3791, 0.2528, 0.3303
Android (android.graphics.Color)	4284923067 (0xFF66BCBB)
YUV	162.1720, 12.2402, -52.7708
Hunter-Lab	65.0992, -24.9953, -3.1421

Details

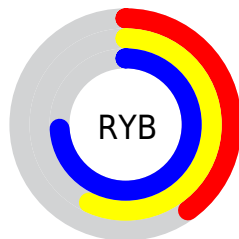
The XYZ color **32.4323, 42.3791, 53.4843** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.9400, 21.1745, 15.4478**, and the grayscale version is **34.3858, 36.1765, 39.3962**.

A 20% lighter version of the original color is **62.6289, 78.4415, 96.6339**, and **13.8244, 19.2850, 25.5480** is the 20% darker color. If you saturate the color by 10%, you get **30.5155, 41.3947, 53.2732**, and if you desaturate by 10%, it is **34.8348, 43.6159, 53.7202**.

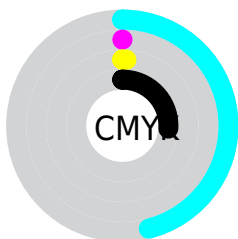
Distribution



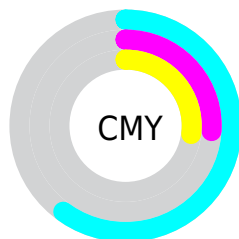
- Red (40%)
- Green (74%)
- Blue (73%)



- Red (40%)
- Yellow (57%)
- Blue (74%)



- Cyan (46%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)





- Cyan (60%)
- Magenta (26%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4323, 42.3791, 53.4843 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 32.4323, 42.3791, 53.4843 by changing the saturation by 10% instead.


 32.4323, 42.3791,
53.4843


 32.4323, 42.3791,
53.4843


304.7943,
356.0521, 417.2593

 21.8491, 29.3983,
37.7992


 62.8488, 78.7731,
96.7654

 13.8620, 19.3823,
25.5262


 83.4128, 102.9550,
125.1984

 8.1058, 11.9468,
16.2470


 108.0344,
131.6393, 158.7178

 4.2151, 6.7075,
9.5428

 137.0790,
165.2106, 197.7421

 1.8245, 3.2798,
4.9953

170.9119,
204.0531, 242.6899

 0.5324, 1.2795,
2.1858

209.8985,

 0.0000, 0.1253,

248.5512, 293.9796

0.6662

254.4042,
299.0894, 352.0299

■ 0.0000, 0.0000,
0.0000

■ 32.4323, 42.3791,
53.4843

■ 32.4323, 42.3791,
53.4843

■ 30.5155, 41.3947,
53.2732

■ 34.8348, 43.6159,
53.7202

■ 29.0475, 40.6406,
53.0823

■ 37.7493, 45.1157,
53.9793

■ 27.9924, 40.0993,
52.9110

■ 41.2044, 46.8942,
54.2639

■ 27.3069, 39.7487,
52.7571

■ 45.2259, 48.9646,
54.5752

■ 26.9370, 39.5607,
52.6182

■ 49.8377, 51.3393,
54.9143

■ 26.8270, 39.5051,
52.5614

■ 55.0623, 54.0299,
55.2823

■ 60.9211, 57.0475,
55.6801

■ 67.4346, 60.4026,
56.1088

■ 68.4063, 60.9008,
56.2783

Harmonies

Analogous

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



32.3537, 42.3791, 40.3895



32.4323, 42.3791, 53.4843



34.5065, 42.3791, 66.7205

Triad

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



32.4323, 42.3791, 53.4843



46.9385, 42.3791, 65.8156



42.4158, 42.3791, 25.8072

Complementary

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



32.4323, 42.3791, 53.4843



27.9400, 21.1745, 15.4478

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.



46.6642, 42.3791, 30.3029



32.4323, 42.3791, 53.4843



49.4055, 42.3791, 52.4199

Square

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



32.4323, 42.3791, 53.4843



42.7677, 42.3791, 74.7062



49.3015, 42.3791, 39.5074



37.8908, 42.3791, 25.9842

Rectangle

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



32.4323, 42.3791, 53.4843



36.8379, 42.3791, 73.1264



49.3015, 42.3791, 39.5074



43.9303, 42.3791, 26.7791

Sweetspot

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



32.4336, 42.3808, 53.4853



75.7109, 85.5192, 98.4237



26.0261, 39.8367, 18.8887



15.9647, 18.2276, 21.1404



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.



32.4336, 42.3808, 53.4853



55.2549, 74.9942, 96.5402



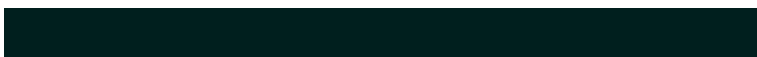
24.9036, 27.1486, 51.5065



9.8037, 10.8076, 12.2156



18.2665, 26.8969, 35.7959



0.7171, 1.0542, 1.4103

Inverse Universe

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



27.9400, 21.1745, 15.4478



46.0892, 31.7268, 18.9449



33.0465, 31.4676, 16.9033



9.5346, 9.5381, 9.9380



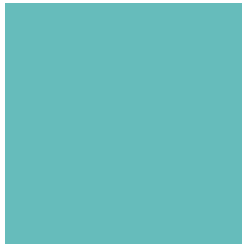
14.1303, 7.2833, 0.7140



0.5551, 0.2859, 0.0362

Previews

White Background



This preview shows how the XYZ color 32.4323, 42.3791, 53.4843 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 32.4323, 42.3791, 53.4843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

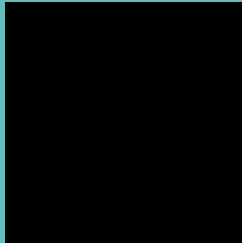
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.4323, 42.3791, 53.4843

Background



This preview shows how black text looks on a background with the XYZ color 32.4323, 42.3791, 53.4843.

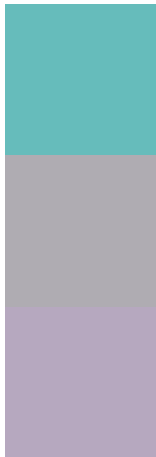


This preview shows how white text looks on a background with the XYZ color 32.4323, 42.3791,

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

32.4323, 42.3791, 53.4843

Protanopia

40.4676, 41.8334, 48.0613

Deuteranopia

42.6980, 41.7119, 55.0910



Tritanopia

34.0454, 42.3990, 61.6478

Trichromacy



Original Color

32.4323, 42.3791, 53.4843

Protanomaly

36.4736, 41.4729, 49.7988

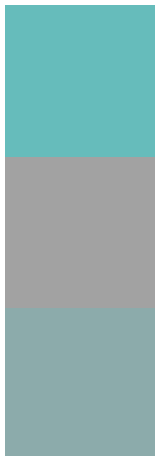
Deuteranomaly

37.7611, 41.1500, 54.6677

Tritanomaly

33.5598, 42.5294, 58.6648

Monochromacy



Original Color

32.4323, 42.3791, 53.4843

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.7288, 37.6415, 44.0686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4323, 42.3791, 53.4843 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(102, 188, 187)` looks like.

```
.text, #text, p{  
    color:rgb(102, 188, 187)  
}
```

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(102, 188, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 188, 187) }
```

Border

The CSS property to change the border of an element to XYZ 32.4323, 42.3791, 53.4843 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(102, 188, 187) }
```


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

```
.border{ border-color:rgb(102, 188, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 188, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 188, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 188, 187);  
box-shadow:4px 4px 4px 4px rgb(102, 188,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4323, 42.3791, 53.4843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 188, 187) }
```

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

```
.background{ background-color: rgb(102,  
188, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor