

Converting Colors

XYZ(28.4435, 40.7326, 56.2329)

Have a look what the booklet for
XYZ(28.4435, 40.7326, 56.2329)
contains.

XYZ(28.3392, 40.5243, 56.1975)	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(28.3392, 40.5243,
56.1975)**

Conversions

Conversions Part 1

Format	Color
Hex	21BDC0
RGB	33, 189, 192
RGB Percent	13%, 74%, 75%
CMY	0.8705, 0.2588, 0.2471
CMYK	0.83, 0.02, 0.00, 0.25
HSL	181°, 71%, 44%
HSV	181°, 83%, 75%
XYZ	28.3392, 40.5243, 56.1975
YIQ	142.6980, -93.9390, -32.1390

Conversions

Conversions Part 2

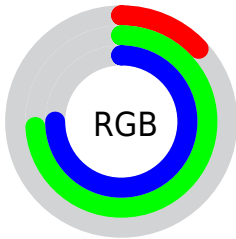
Format	Color
R_{YB}	33, 112, 192
Decimal	2211264
CIE _{Lab}	69.84, -35.98, -12.43
CIE _{LCh}	70, 38.061, 199.056
Yxy	40.5243, 0.2266, 0.3240
Android (android.graphics.Color)	4280401344 (0xFF21BDC0)
YUV	142.6980, 24.3059, -96.2051
Hunter-Lab	63.6587, -31.9392, -7.7798

Details

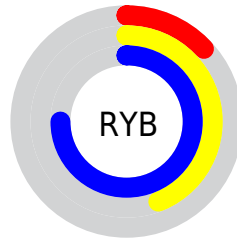
The XYZ color **28.3392, 40.5243, 56.1975** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **22.6445, 12.5791, 2.6744**, and the grayscale version is **25.9234, 27.2734, 29.7007**.

A 20% lighter version of the original color is **56.4546, 76.0684, 100.5141**, and **13.3242, 19.1920, 27.4283** is the 20% darker color. If you saturate the color by 10%, you get **27.8132, 40.1385, 56.1515**, and if you desaturate by 10%, it is **29.2180, 41.0940, 56.2619**.

Distribution



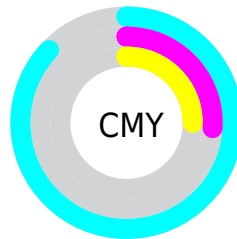
- Red (13%)
- Green (74%)
- Blue (75%)



- Red (13%)
- Yellow (44%)
- Blue (75%)



- Cyan (83%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)





- Cyan (87%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3392, 40.5243, 56.1975 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 28.3392, 40.5243, 56.1975 by changing the saturation by 10% instead.

 28.3392, 40.5243,
56.1975


 28.3392, 40.5243,
56.1975


286.1350,
348.3285, 427.8446


 18.7233, 27.9476,
39.9562


 56.4304, 75.9612,
100.7820


 11.5733, 18.2861,
27.1909


 75.6364, 99.5902,
129.9622


 6.5240, 11.1556,
17.4829


 98.7698, 127.6721,
164.2926

 3.2099, 6.1716,
10.4138

 126.1959,
160.5913, 204.1916

 1.2657, 2.9497,
5.5650

 158.2801,
198.7321, 250.0777

 0.1573, 1.1055,
2.5180

195.3878,

 0.0000, 0.0000,

242.4790, 302.3696

0.8497

237.8843,
292.2163, 361.4857

■ 0.0000, 0.0000,
0.0000

■ 28.3392, 40.5243,
56.1975

■ 28.3392, 40.5243,
56.1975

■ 27.8132, 40.1385,
56.1515

■ 29.2180, 41.0940,
56.2619

■ 27.5791, 39.9349,
56.1246

■ 30.4980, 41.8699,
56.3442

■ 32.2239, 42.8760,
56.4474

■ 34.4333, 44.1317,
56.5733

■ 37.1603, 45.6544,
56.7235

■ 40.4354, 47.4600,
56.8994

■ 44.2871, 49.5632,
57.1024

■ 48.7418, 51.9774,
57.3336

■ 53.8242, 54.7156,
57.5942

Harmonies

Analogous

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



27.9860, 40.5243, 37.9717



28.3392, 40.5243, 56.1975



31.2411, 40.5243, 75.1553

Triad

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



28.3392, 40.5243, 56.1975



48.2111, 40.5243, 70.4028



40.8181, 40.5243, 18.4303

Complementary

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



28.3392, 40.5243, 56.1975



22.6445, 12.5791, 2.6744

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.



46.8433, 40.5243, 23.0823



28.3392, 40.5243, 56.1975



51.4055, 40.5243, 50.9075

Square

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



28.3392, 40.5243, 56.1975



42.5297, 40.5243, 84.7546



50.8798, 40.5243, 33.9170



34.7653, 40.5243, 19.1356

Rectangle

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



28.3392, 40.5243, 56.1975



34.4226, 40.5243, 84.1631



50.8798, 40.5243, 33.9170



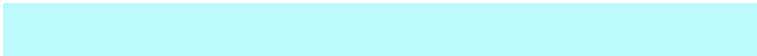
42.9241, 40.5243, 19.3562

Sweetspot

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



28.3404, 40.5258, 56.1985



71.6270, 85.0938, 103.0099



19.7909, 38.1487, 7.9627



14.9107, 18.0044, 22.0746



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.3404, 40.5258, 56.1985



49.9942, 72.3585, 101.6919



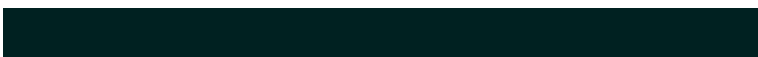
15.7029, 15.2507, 51.9860



10.3517, 11.3948, 12.9386



18.5644, 26.8852, 37.7675



0.8074, 1.1722, 1.6336

Inverse Universe

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



31.4684, 15.9694, 49.5695



55.9328, 26.9667, 88.8308



28.1620, 23.6140, 4.5136



10.4888, 10.2441, 12.6648



20.7664, 9.9963, 33.0116



0.8999, 0.4330, 1.4403

Previews

White Background



This preview shows how the XYZ color 28.3392, 40.5243, 56.1975 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 28.3392, 40.5243, 56.1975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

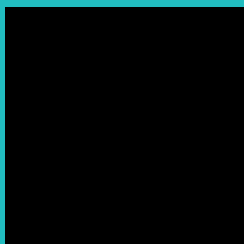
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

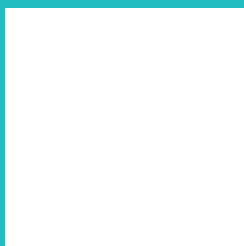
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3392, 40.5243, 56.1975

Background



This preview shows how black text looks on a background with the XYZ color 28.3392, 40.5243, 56.1975.

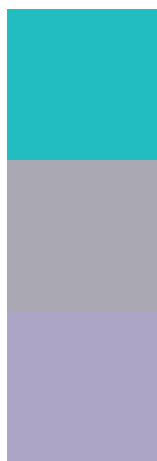


This preview shows how white text looks on a background with the XYZ color 28.3392, 40.5243,

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

28.3392, 40.5243, 56.1975

Protanopia

38.5015, 39.6950, 48.2805

Deuteranopia

40.5464, 39.7121, 58.3515



Tritanopia

29.5885, 40.3879, 62.7361

Trichromacy



Original Color

28.3392, 40.5243, 56.1975



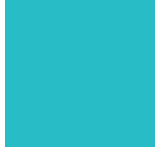
Protanomaly

31.9228, 38.5044, 51.0970



Deuteranomaly

32.8715, 38.2772, 57.2855



Tritanomaly

29.1671, 40.5411, 60.3208

Monochromacy



Original Color

28.3392, 40.5243, 56.1975



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.5973, 30.5984, 38.3279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3392, 40.5243, 56.1975 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(33, 189, 192)` looks like.

```
.text, #text, p{  
    color:rgb(33, 189, 192)  
}
```

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(33, 189, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 189, 192) }
```

Border

The CSS property to change the border of an element to XYZ 28.3392, 40.5243, 56.1975 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(33, 189, 192) }
```


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

```
.border{ border-color:rgb(33, 189, 192) }
```

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

Here you see how a box with a 4 pixel rgb(33, 189, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 189, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 189, 192);  
box-shadow:4px 4px 4px 4px rgb(33, 189,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3392, 40.5243, 56.1975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 189, 192) }
```

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

```
.background{ background-color: rgb(33, 189,  
192) }
```

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