

Converting Colors

XYZ(28.2548, 40.5062, 55.0445)

Have a look what the booklet for
XYZ(28.2548, 40.5062, 55.0445)
contains.

XYZ(28.2548, 40.5062, 55.0445)	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(28.2548, 40.5062,
55.0445)**

Conversions

Conversions Part 1

Format	Color
Hex	25BDBE
RGB	37, 189, 190
RGB Percent	15%, 74%, 75%
CMY	0.8548, 0.2588, 0.2549
CMYK	0.81, 0.01, 0.00, 0.25
HSL	180°, 67%, 45%
HSV	180°, 81%, 75%
XYZ	28.2548, 40.5062, 55.0445
YIQ	143.6660, -90.9130, -31.9130

Conversions

Conversions Part 2

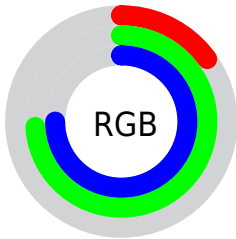
Format	Color
R_{YB}	37, 113, 190
Decimal	2473406
CIE _{Lab}	69.83, -36.25, -11.34
CIE _{LCh}	70, 37.985, 197.376
Yxy	40.5062, 0.2282, 0.3272
Android (android.graphics.Color)	4280663486 (0xFF25BDBE)
YUV	143.6660, 22.8427, -93.5461
Hunter-Lab	63.6445, -32.1332, -6.7273

Details

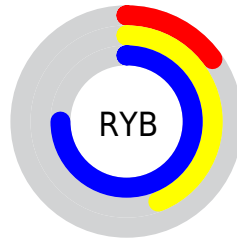
The XYZ color **28.2548, 40.5062, 55.0445** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **22.2632, 12.4680, 2.9845**, and the grayscale version is **26.3144, 27.6848, 30.1487**.

A 20% lighter version of the original color is **56.2724, 76.0101, 98.8943**, and **13.1793, 19.1341, 26.6655** is the 20% darker color. If you saturate the color by 10%, you get **27.7156, 40.1895, 55.0125**, and if you desaturate by 10%, it is **29.1509, 41.0087, 55.0950**.

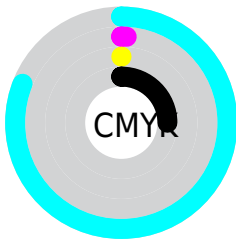
Distribution



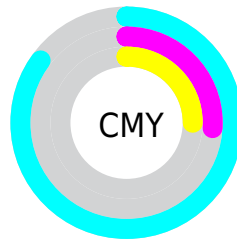
- Red (15%)
- Green (74%)
- Blue (75%)



- Red (15%)
- Yellow (44%)
- Blue (75%)



- Cyan (81%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)





- Cyan (85%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2548, 40.5062, 55.0445 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 28.2548, 40.5062, 55.0445 by changing the saturation by 10% instead.


 28.2548, 40.5062,
55.0445


 28.2548, 40.5062,
55.0445


285.7405,
348.2525, 423.3673


 18.6593, 27.9334,
39.0385


 56.2968, 75.9337,
99.0780


 11.5269, 18.2755,
26.4816


 75.4739, 99.5573,
127.9425


 6.4923, 11.1480,
16.9553

 98.5757, 127.6332,
161.9303

 3.1901, 6.1664,
10.0410

 125.9673,
160.5459, 201.4599

 1.2551, 2.9466,
5.3202

 158.0143,
198.6798, 246.9499

 0.1492, 1.1039,
2.3743

195.0819,

 0.0000, 0.0000,

242.4193, 298.8188

0.7724

237.5355,
292.1487, 357.4850

■ 0.0000, 0.0000,
0.0000

■ 28.2548, 40.5062,
55.0445

■ 28.2548, 40.5062,
55.0445

■ 27.7156, 40.1895,
55.0125

■ 29.1509, 41.0087,
55.0950

■ 27.4407, 40.0103,
54.9924

■ 30.4487, 41.7174,
55.1634

■ 32.1902, 42.6548,
55.2526

■ 34.4113, 43.8396,
55.3642

■ 37.1442, 45.2882,
55.4997

■ 40.4182, 47.0158,
55.6606

■ 44.2606, 49.0364,
55.8481

■ 48.6966, 51.3631,
56.0634

■ 53.7501, 54.0082,
56.3076

Harmonies

Analogous

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



28.0483, 40.5062, 37.0900



28.2548, 40.5062, 55.0445



31.0145, 40.5062, 74.1125

Triad

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



28.2548, 40.5062, 55.0445



47.9018, 40.5062, 71.3338



41.1504, 40.5062, 18.5704

Complementary

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



28.2548, 40.5062, 55.0445



22.2632, 12.4680, 2.9845

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.



47.1021, 40.5062, 23.5366



28.2548, 40.5062, 55.0445



51.2706, 40.5062, 51.9516

Square

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



28.2548, 40.5062, 55.0445



42.1512, 40.5062, 85.1073



50.9632, 40.5062, 34.7193



35.0659, 40.5062, 18.9828

Rectangle

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



28.2548, 40.5062, 55.0445



34.1157, 40.5062, 83.4691



50.9632, 40.5062, 34.7193



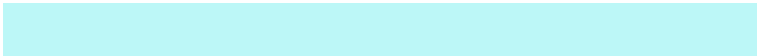
43.2446, 40.5062, 19.5957

Sweetspot

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



28.2560, 40.5077, 55.0455



70.8275, 83.9252, 100.7453



19.5113, 37.3547, 7.9332



15.0883, 18.1839, 22.0999



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.



28.2560, 40.5077, 55.0455



49.8256, 72.5651, 99.6595



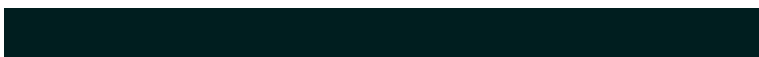
16.0197, 16.0351, 50.9667



9.8031, 10.7986, 12.2399



18.2487, 26.6091, 36.5672



0.7166, 1.0458, 1.4329

Inverse Universe

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



31.0831, 15.9455, 49.5852



55.1633, 26.6395, 89.2496



27.5316, 23.0048, 4.7407



9.9272, 9.6952, 12.0058



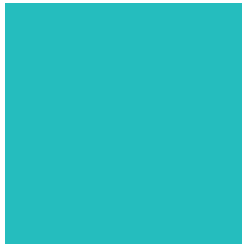
20.2119, 9.7159, 32.7388



0.7926, 0.3809, 1.2870

Previews

White Background



This preview shows how the XYZ color 28.2548, 40.5062, 55.0445 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 28.2548, 40.5062, 55.0445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

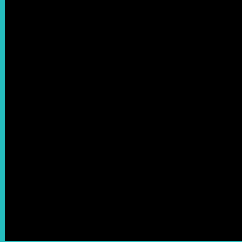
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

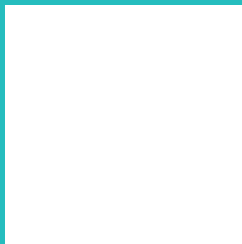
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2548, 40.5062, 55.0445

Background



This preview shows how black text looks on a background with the XYZ color 28.2548, 40.5062, 55.0445.

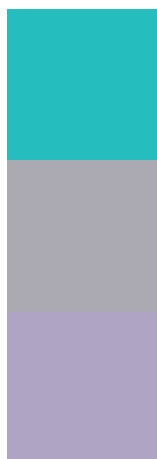


This preview shows how white text looks on a background with the XYZ color 28.2548, 40.5062,

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

28.2548, 40.5062, 55.0445

Protanopia

38.5160, 39.7256, 47.2328

Deuteranopia

40.5390, 39.7346, 57.1627



Tritanopia

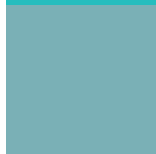
29.6499, 40.4333, 62.1188

Trichromacy



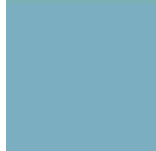
Original Color

28.2548, 40.5062, 55.0445



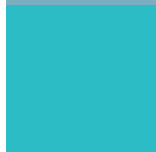
Protanomaly

31.9949, 38.5656, 50.0136



Deuteranomaly

33.0739, 38.4074, 56.1223



Tritanomaly

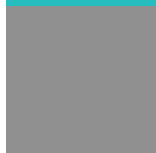
29.2150, 40.5791, 59.7188

Monochromacy



Original Color

28.2548, 40.5062, 55.0445



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.8295, 30.7181, 38.3387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2548, 40.5062, 55.0445 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(37, 189, 190)` looks like.

```
.text, #text, p{  
    color:rgb(37, 189, 190)  
}
```

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(37, 189, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 189, 190) }
```

Border

The CSS property to change the border of an element to XYZ 28.2548, 40.5062, 55.0445 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(37, 189, 190) }
```


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

```
.border{ border-color:rgb(37, 189, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 189, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 189, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 189, 190);  
box-shadow:4px 4px 4px 4px rgb(37, 189,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2548, 40.5062, 55.0445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 189, 190) }
```

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

```
.background{ background-color: rgb(37, 189,  
190) }
```

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