

Converting Colors

XYZ(28.3738, 37.3585, 52.9398)

Have a look what the booklet for
XYZ(28.3738, 37.3585, 52.9398)
contains.

XYZ(28.2834, 37.1780, 52.6991)	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(28.2834, 37.1780,
52.6991)**

Conversions

Conversions Part 1

Format	Color
Hex	51B2BB
RGB	81, 178, 187
RGB Percent	32%, 70%, 73%
CMY	0.6823, 0.3019, 0.2667
CMYK	0.57, 0.05, 0.00, 0.27
HSL	185°, 44%, 53%
HSV	185°, 57%, 73%
XYZ	28.2834, 37.1780, 52.6991
YIQ	150.0230, -60.7010, -17.7650

Conversions

Conversions Part 2

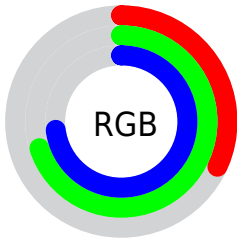
Format	Color
R_{YB}	81, 132, 187
Decimal	5354171
CIE _{Lab}	67.41, -25.72, -13.22
CIE _{LCh}	67, 28.914, 207.202
Yxy	37.1780, 0.2394, 0.3146
Android (android.graphics.Color)	4283544251 (0xFF51B2BB)
YUV	150.0230, 18.2297, -60.5332
Hunter-Lab	60.9738, -23.9048, -8.5622

Details

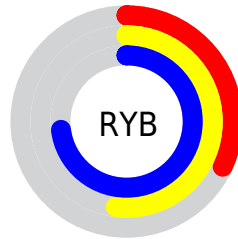
The XYZ color **28.2834, 37.1780, 52.6991** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.6357, 18.4721, 10.0000**, and the grayscale version is **28.9439, 30.4512, 33.1614**.

A 20% lighter version of the original color is **56.2479, 70.8057, 95.4963**, and **11.6367, 16.3885, 25.1042** is the 20% darker color. If you saturate the color by 10%, you get **26.5825, 35.8357, 52.5303**, and if you desaturate by 10%, it is **30.4315, 38.7578, 52.8915**.

Distribution



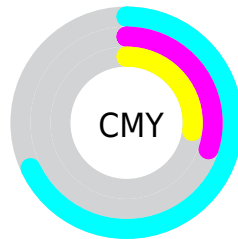
- Red (32%)
- Green (70%)
- Blue (73%)



- Red (32%)
- Yellow (52%)
- Blue (73%)



- Cyan (57%)
- Magenta (5%)
- Yellow (0%)
- Black (27%)





- Cyan (68%)
- Magenta (30%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2834, 37.1780, 52.6991 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 28.2834, 37.1780, 52.6991 by changing the saturation by 10% instead.


 28.2834, 37.1780,
52.6991


 28.2834, 37.1780,
52.6991


285.8742,
334.0805, 414.1631


 18.6809, 25.3453,
37.1765


 56.3421, 70.8465,
95.5985


 11.5426, 16.3345,
25.0473


 75.5290, 93.4511,
123.8124

 6.5030, 9.7612,
15.8930


 98.6415, 120.4151,
157.0939

 3.1968, 5.2409,
9.2949

 126.0448,
152.1229, 195.8614

 1.2587, 2.3893,
4.8346

158.1044,
188.9590, 240.5336

 0.1520, 0.8204,
2.0935

195.1856,

 0.0000, 0.0000,

231.3077, 291.5289

0.6119

237.6538,
279.5534, 349.2659

■ 0.0000, 0.0000,
0.0000

■ 28.2834, 37.1780,
52.6991

■ 28.2834, 37.1780,
52.6991

■ 26.5825, 35.8357,
52.5303

■ 30.4315, 38.7578,
52.8915

■ 25.2881, 34.7076,
52.3808

■ 33.0563, 40.5881,
53.1064

■ 24.3580, 33.7728,
52.2494

■ 36.1888, 42.6855,
53.3462

■ 23.7340, 33.0010,
52.1333

■ 39.8564, 45.0643,
53.6120

■ 23.5565, 32.7614,
52.0964

■ 44.0846, 47.7375,
53.9051

■ 48.8972, 50.7176,
54.2267

■ 54.3166, 54.0159,
54.5777

■ 60.3639, 57.6436,
54.9592

■ 67.0595, 61.6110,
55.3721

Harmonies

Analogous

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



27.4869, 37.1780, 39.3002



28.2834, 37.1780, 52.6991



30.9167, 37.1780, 64.6686

Triad

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



28.2834, 37.1780, 52.6991



42.9983, 37.1780, 55.1992



35.7544, 37.1780, 20.6627

Complementary

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



28.2834, 37.1780, 52.6991



25.6357, 18.4721, 10.0000

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.



40.1588, 37.1780, 23.2297



28.2834, 37.1780, 52.6991



44.5542, 37.1780, 41.6843

Square

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



28.2834, 37.1780, 52.6991



39.3788, 37.1780, 66.3112



43.4745, 37.1780, 30.3136



31.5809, 37.1780, 22.4163

Rectangle

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



28.2834, 37.1780, 52.6991



33.4815, 37.1780, 69.2636



43.4745, 37.1780, 30.3136



37.2590, 37.1780, 21.0338

Sweetspot

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



28.2845, 37.1794, 52.7000



70.9646, 80.4417, 95.9880



23.0030, 38.0262, 15.7642



15.3213, 17.5178, 21.1163



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.



28.2845, 37.1794, 52.7000



46.9838, 63.6583, 94.0124



19.7188, 20.0479, 49.8447



9.7374, 10.6672, 12.2180



16.2565, 22.6247, 35.9031



0.6574, 0.9274, 1.4132

Inverse Universe

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



31.4728, 19.6651, 44.2579



53.4347, 29.9185, 76.5507



31.7771, 30.7549, 12.0471



9.8941, 9.6819, 11.8312



19.2063, 9.3137, 27.4436



0.7627, 0.3690, 1.1298

Previews

White Background



This preview shows how the XYZ color 28.2834, 37.1780, 52.6991 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 28.2834, 37.1780, 52.6991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

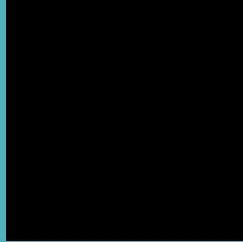
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.2834, 37.1780, 52.6991

Background



This preview shows how black text looks on a background with the XYZ color 28.2834, 37.1780, 52.6991.

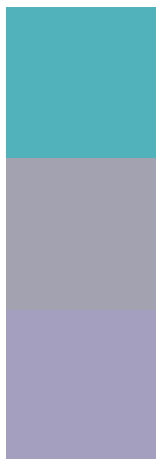


This preview shows how white text looks on a background with the XYZ color 28.2834, 37.1780,

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

28.2834, 37.1780, 52.6991

Protanopia

35.7564, 36.6964, 46.7935

Deuteranopia

37.3192, 36.5572, 54.3795



Tritanopia

28.8038, 37.0891, 55.5100

Trichromacy



Original Color

28.2834, 37.1780, 52.6991

Protanomaly

32.0160, 36.3280, 49.0406

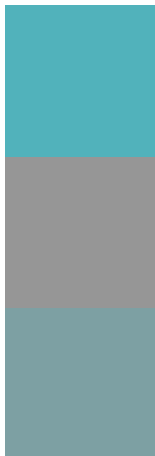
Deuteranomaly

32.7620, 36.0585, 53.9484

Tritanomaly

28.4961, 36.9558, 54.3465

Monochromacy



Original Color

28.2834, 37.1780, 52.6991

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

27.6391, 32.1459, 39.3984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2834, 37.1780, 52.6991 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(81, 178, 187)` looks like.

```
.text, #text, p{  
    color:rgb(81, 178, 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(81, 178, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 178, 187) }
```

Border

The CSS property to change the border of an element to XYZ 28.2834, 37.1780, 52.6991 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(81, 178, 187) }
```


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

```
.border{ border-color:rgb(81, 178, 187) }
```

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

Here you see how a box with a 4 pixel rgb(81, 178, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 178, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 178, 187);  
box-shadow:4px 4px 4px 4px rgb(81, 178,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2834, 37.1780, 52.6991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 178, 187) }
```

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

```
.background{ background-color: rgb(81, 178,  
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