

Converting Colors

XYZ(36.8433, 52.5705, 70.4926)

Have a look what the booklet for
XYZ(36.8433, 52.5705, 70.4926)
contains.

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Color

**XYZ(36.8433, 52.5705,
70.4926)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 34D4D4 |
| RGB | 52, 212, 212 |
| RGB Percent | 20%, 83%, 83% |
| CMY | 0.7960, 0.1686, 0.1686 |
| CMYK | 0.75, 0.00, 0.00, 0.17 |
| HSL | 180°, 65%, 52% |
| HSV | 180°, 75%, 83% |
| XYZ | 36.8433, 52.5705, 70.4926 |
| YIQ | 164.1600, -95.3600, -33.9200 |

Conversions

Conversions Part 2

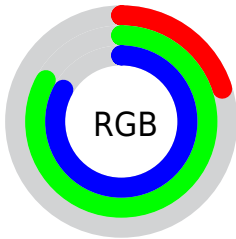
| Format | Color |
|-------------------------------------|--|
| RYB | 52, 132, 212 |
| Decimal | 3462356 |
| CIELab | 77.62, -38.97, -11.60 |
| CIELCh | 78, 40.662, 196.580 |
| Yxy | 52.5705, 0.2304, 0.3288 |
| Android (android.graphics.Color) | 4281652436 (0xFF34D4D4) |
| YUV | 164.1600, 23.5851, -98.3643 |
| Hunter-Lab | 72.5055, -36.1808, -6.8901 |

Details

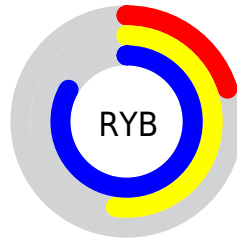
The XYZ color **36.8433, 52.5705, 70.4926** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.0009, 16.7026, 4.9458**, and the grayscale version is **35.2888, 37.1265, 40.4308**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **18.1428, 26.5483, 36.0664** is the 20% darker color. If you saturate the color by 10%, you get **35.9875, 52.1305, 70.4536**, and if you desaturate by 10%, it is **38.1919, 53.2669, 70.5571**.

Distribution



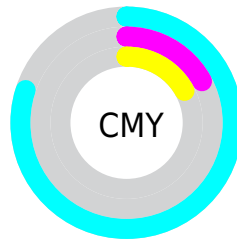
- Red (20%)
- Green (83%)
- Blue (83%)



- Red (20%)
- Yellow (52%)
- Blue (83%)



- Cyan (75%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)





- Cyan (80%)
- Magenta (17%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8433, 52.5705, 70.4926 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 36.8433, 52.5705, 70.4926 by changing the saturation by 10% instead.

 36.8433, 52.5705,
70.4926


 36.8433, 52.5705,
70.4926


323.9989,
396.6351, 481.1135


 25.2593, 37.4600,
51.4489

 69.6471, 93.9721,
121.5987


 16.4001, 25.5639,
36.1868


 91.5976, 121.0319,
154.4982

 9.9004, 16.4976,
24.2877


 117.7344,
152.8437, 192.8533

 5.3947, 9.8770,
15.3330

 148.4227,
189.7918, 237.0827

 2.5178, 5.3175,
8.9042

 184.0280,
232.2606, 287.6049

 0.9042, 2.4347,
4.5828

224.9155,

 0.0000, 0.8437,

280.6345, 344.8384

1.9502

271.4507,
335.2979, 409.2018

■ 0.0000, 0.0000,
0.5244

■ 0.0000, 0.0000,
0.0000

■ 36.8433, 52.5705,
70.4926

■ 36.8433, 52.5705,
70.4926

■ 35.9875, 52.1305,
70.4536

■ 38.1919, 53.2669,
70.5571

■ 35.5484, 51.9041,
70.4329

■ 40.0867, 54.2437,
70.6459

■ 35.4281, 51.8421,
70.4272

■ 42.5793, 55.5286,
70.7627

■ 45.7141, 57.1447,
70.9096

■ 49.5314, 59.1126,
71.0884

■ 54.0681, 61.4513,
71.3008

■ 59.3584, 64.1786,
71.5486

■ 65.4345, 67.3109,
71.8331

■ 72.3265, 70.8639,
72.1558

Harmonies

Analogous

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



36.6676, 52.5705, 47.7761



36.8433, 52.5705, 70.4926



40.2872, 52.5705, 94.7594

Triad

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



36.8433, 52.5705, 70.4926



61.7600, 52.5705, 92.4187



53.5549, 52.5705, 24.6316

Complementary

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



36.8433, 52.5705, 70.4926



29.0009, 16.7026, 4.9458

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.



61.0842, 52.5705, 31.2189



36.8433, 52.5705, 70.4926



66.1457, 52.5705, 67.8785

Square

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



36.8433, 52.5705, 70.4926



54.4019, 52.5705, 109.5150



65.8862, 52.5705, 45.7627



45.7794, 52.5705, 24.9851

Rectangle

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



36.8433, 52.5705, 70.4926



44.2004, 52.5705, 106.8169



65.8862, 52.5705, 45.7627



56.2139, 52.5705, 26.0147

Sweetspot

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



36.8449, 52.5725, 70.4939



76.6660, 90.5227, 108.0391



25.7223, 48.1398, 11.1864



15.9112, 19.1186, 23.1015



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.8449, 52.5725, 70.4939



54.1618, 78.9214, 106.9843



21.9194, 22.7211, 65.5198



12.7922, 14.1079, 15.9864



21.8708, 32.0037, 43.4768



1.3191, 1.9303, 2.6223

Inverse Universe

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



29.0009, 16.7026, 4.9458



41.6996, 21.9325, 2.8437



35.6676, 30.0360, 7.1678



12.4233, 12.4208, 12.9034



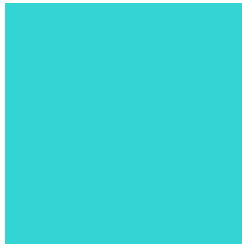
16.7619, 8.6411, 0.7845



1.0110, 0.5212, 0.0473

Previews

White Background



This preview shows how the XYZ color 36.8433, 52.5705, 70.4926 looks on a white background.

Color Contrast Check

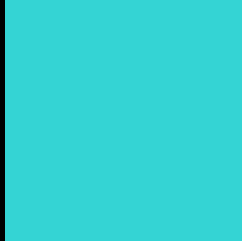
Large Text (above 18pt) WCAG AA × Fail

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 36.8433, 52.5705, 70.4926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

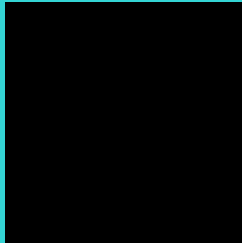
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

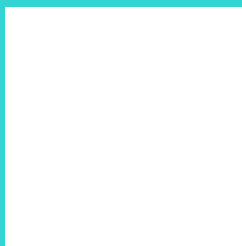
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8433, 52.5705, 70.4926

Background



This preview shows how black text looks on a background with the XYZ color 36.8433, 52.5705, 70.4926.

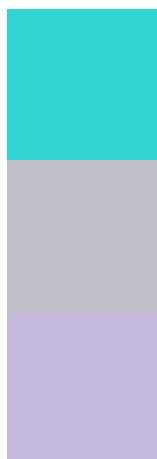


This preview shows how white text looks on a background with the XYZ color 36.8433, 52.5705,

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

36.8433, 52.5705, 70.4926

Protanopia

49.8765, 51.5488, 60.7472

Deuteranopia

52.7688, 51.4956, 73.4881



Tritanopia

38.9616, 52.6960, 80.7909

Trichromacy



Original Color

36.8433, 52.5705, 70.4926



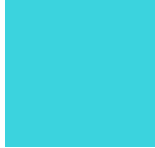
Protanomaly

41.5610, 49.8198, 63.9256



Deuteranomaly

43.4114, 49.9174, 72.3127



Tritanomaly

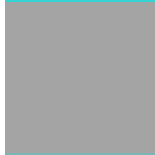
38.2827, 52.7923, 77.2795

Monochromacy



Original Color

36.8433, 52.5705, 70.4926



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.0327, 40.5949, 49.8107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8433, 52.5705, 70.4926 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(52, 212, 212)` looks like.

```
.text, #text, p{  
    color:rgb(52, 212, 212)  
}
```

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(52, 212, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 212, 212) }
```

Border

The CSS property to change the border of an element to XYZ 36.8433, 52.5705, 70.4926 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(52, 212, 212) }
```


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

```
.border{ border-color:rgb(52, 212, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 212, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 212, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 212, 212);  
box-shadow:4px 4px 4px 4px rgb(52, 212,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8433, 52.5705, 70.4926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 212, 212) }
```

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

```
.background{ background-color: rgb(52, 212,  
212) }
```

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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