

Converting Colors

XYZ(36.7374, 52.5185, 70.4719)

Have a look what the booklet for
XYZ(36.7374, 52.5185, 70.4719)
contains.

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Color

**XYZ(36.7425, 52.5185,
70.4879)**

Conversions

Conversions Part 1

Format	Color
Hex	32D4D4
RGB	50, 212, 212
RGB Percent	20%, 83%, 83%
CMY	0.8039, 0.1686, 0.1686
CMYK	0.76, 0.00, 0.00, 0.17
HSL	180°, 65%, 51%
HSV	180°, 76%, 83%
XYZ	36.7425, 52.5185, 70.4879
YIQ	163.5620, -96.5520, -34.3440

Conversions

Conversions Part 2

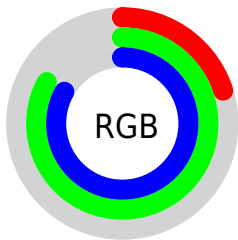
Format	Color
RYB	50, 131, 212
Decimal	3331284
CIELab	77.59, -39.17, -11.65
CIELCh	78, 40.867, 196.566
Yxy	52.5185, 0.2300, 0.3288
Android (android.graphics.Color)	4281521364 (0xFF32D4D4)
YUV	163.5620, 23.8799, -99.5939
Hunter-Lab	72.4696, -36.3214, -6.9399

Details

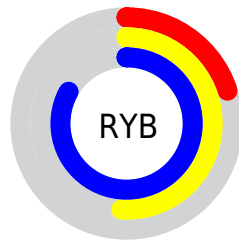
The XYZ color **36.7425, 52.5185, 70.4879** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.8694, 16.5101, 4.6843**, and the grayscale version is **35.0040, 36.8270, 40.1046**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **18.1428, 26.5483, 36.0664** is the 20% darker color. If you saturate the color by 10%, you get **35.9295, 52.1005, 70.4509**, and if you desaturate by 10%, it is **38.0423, 53.1897, 70.5501**.

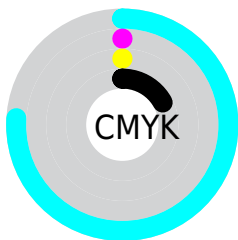
Distribution



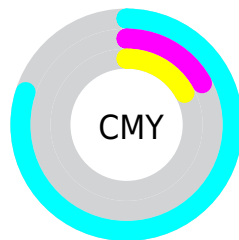
- Red (20%)
- Green (83%)
- Blue (83%)



- Red (20%)
- Yellow (51%)
- Blue (83%)



- Cyan (76%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7425, 52.5185, 70.4879 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 36.7425, 52.5185, 70.4879 by changing the saturation by 10% instead.

 36.7425, 52.5185,
70.4879


 36.7425, 52.5185,
70.4879


323.5693,
396.4351, 481.0966


 25.1809, 37.4185,
51.4451


 69.4930, 93.8955,
121.5919


 16.3414, 25.5317,
36.1838


 91.4126, 120.9413,
154.4902


 9.8584, 16.4736,
24.2854


 117.5156,
152.7378, 192.8441

 5.3667, 9.8599,
15.3313

 148.1674,
189.6694, 237.0722

 2.5010, 5.3062,
8.9030

 183.7333,
232.1206, 287.5929

 0.8957, 2.4280,
4.5820

224.5787,

 0.0000, 0.8402,

280.4756, 344.8249

1.9498

271.0689,
335.1190, 409.1866

■ 0.0000, 0.0000,
0.5241

■ 0.0000, 0.0000,
0.0000

■ 36.7425, 52.5185,
70.4879

■ 36.7425, 52.5185,
70.4879

■ 35.9295, 52.1005,
70.4509

■ 38.0423, 53.1897,
70.5501

■ 35.5233, 51.8911,
70.4317

■ 39.8831, 54.1387,
70.6363

■ 35.4280, 51.8420,
70.4272

■ 42.3174, 55.3936,
70.7504

■ 45.3899, 56.9775,
70.8943

■ 49.1412, 58.9114,
71.0700

■ 53.6085, 61.2144,
71.2793

■ 58.8263, 63.9043,
71.5236

■ 64.8270, 66.9977,
71.8046

■ 71.6408, 70.5103,
72.1236

Harmonies

Analogous

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



36.5678, 52.5185, 47.6722



36.7425, 52.5185, 70.4879



40.1967, 52.5185, 94.8926

Triad

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



36.7425, 52.5185, 70.4879



61.7641, 52.5185, 92.5578



53.5253, 52.5185, 24.4798

Complementary

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



36.7425, 52.5185, 70.4879



28.8694, 16.5101, 4.6843

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.



61.0907, 52.5185, 31.0800



36.7425, 52.5185, 70.4879



66.1746, 52.5185, 67.8830

Square

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



36.7425, 52.5185, 70.4879



54.3690, 52.5185, 109.7553



65.9159, 52.5185, 45.6687



45.7154, 52.5185, 24.8306

Rectangle

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



36.7425, 52.5185, 70.4879



44.1239, 52.5185, 107.0291



65.9159, 52.5185, 45.6687



56.1968, 52.5185, 25.8654

Sweetspot

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



36.7441, 52.5205, 70.4892



76.6660, 90.5227, 108.0391



25.5733, 48.0680, 10.9492



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.



36.7441, 52.5205, 70.4892



54.1063, 78.8928, 106.9819



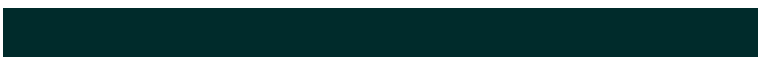
21.6848, 22.4015, 65.4704



12.7922, 14.1079, 15.9864



21.8708, 32.0037, 43.4769



1.3191, 1.9303, 2.6223

Inverse Universe

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



28.8694, 16.5101, 4.6843



41.6272, 21.8265, 2.6997



35.4876, 29.7466, 6.8902



12.4233, 12.4208, 12.9034



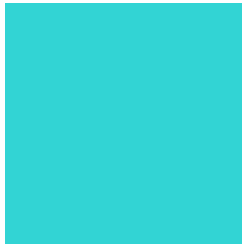
16.7619, 8.6411, 0.7845



1.0110, 0.5212, 0.0473

Previews

White Background



This preview shows how the XYZ color 36.7425, 52.5185, 70.4879 looks on a white background.

Color Contrast Check

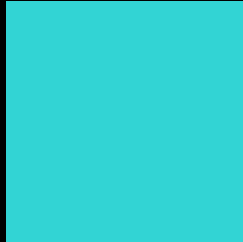
Large Text (above 18pt) WCAG AA × Fail

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 36.7425, 52.5185, 70.4879 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

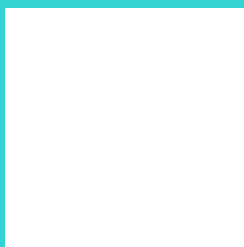
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7425, 52.5185, 70.4879

Background



This preview shows how black text looks on a background with the XYZ color 36.7425, 52.5185, 70.4879.

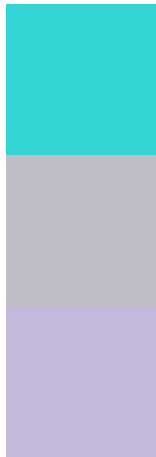


This preview shows how white text looks on a background with the XYZ color 36.7425, 52.5185,

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

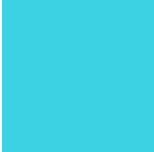
36.7425, 52.5185, 70.4879

Protanopia

49.8765, 51.5488, 60.7472

Deuteranopia

52.5095, 51.3620, 73.4760



Tritanopia

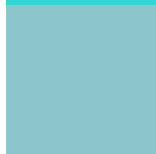
38.8362, 52.6313, 80.7850

Trichromacy



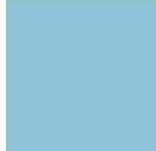
Original Color

36.7425, 52.5185, 70.4879



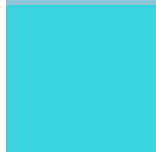
Protanomaly

41.5610, 49.8198, 63.9256



Deuteranomaly

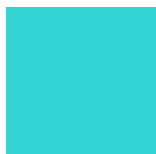
43.0651, 49.7389, 72.2965



Tritanomaly

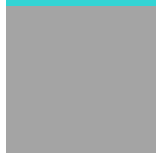
38.1664, 52.7323, 77.2740

Monochromacy



Original Color

36.7425, 52.5185, 70.4879



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 36.7425, 52.5185, 70.4879 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(50, 212, 212)` looks like.

```
.text, #text, p{  
    color:rgb(50, 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(50, 212, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 212, 212) }
```

Border

The CSS property to change the border of an element to XYZ 36.7425, 52.5185, 70.4879 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(50, 212, 212) }
```


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

```
.border{ border-color:rgb(50, 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(50, 212, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 212, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 212, 212);  
box-shadow:4px 4px 4px 4px rgb(50, 212,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7425, 52.5185, 70.4879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 212, 212) }
```

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

```
.background{ background-color: rgb(50, 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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