

Converting Colors

XYZ(32.7342, 46.4240, 57.6875)

Have a look what the booklet for
XYZ(32.7342, 46.4240, 57.6875)
contains.

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Color

**XYZ(32.7342, 46.4240,
57.6875)**

Conversions

Conversions Part 1

Format	Color
Hex	45C8C1
RGB	69, 200, 193
RGB Percent	27%, 78%, 76%
CMY	0.7294, 0.2157, 0.2431
CMYK	0.65, 0.00, 0.04, 0.22
HSL	177°, 54%, 53%
HSV	177°, 65%, 78%
XYZ	32.7342, 46.4240, 57.6875
YIQ	160.0330, -75.8290, -29.9490

Conversions

Conversions Part 2

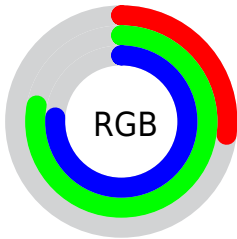
Format	Color
RYB	69, 136, 200
Decimal	4573377
CIELab	73.82, -36.68, -6.97
CIELCh	74, 37.336, 190.763
Yxy	46.4240, 0.2392, 0.3392
Android (android.graphics.Color)	4282763457 (0xFF45C8C1)
YUV	160.0330, 16.2527, -79.8359
Hunter-Lab	68.1352, -33.4797, -2.5040

Details

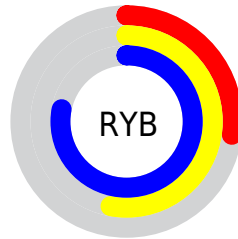
The XYZ color **32.7342, 46.4240, 57.6875** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.2537, 17.0589, 8.6955**, and the grayscale version is **33.3829, 35.1214, 38.2472**.

A 20% lighter version of the original color is **62.5317, 83.3461, 102.4142**, and **14.8590, 22.1442, 28.3021** is the 20% darker color. If you saturate the color by 10%, you get **31.4289, 45.7659, 57.0071**, and if you desaturate by 10%, it is **34.5211, 47.3324, 58.3970**.

Distribution



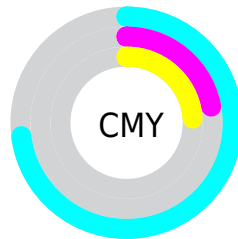
- Red (27%)
- Green (78%)
- Blue (76%)



- Red (27%)
- Yellow (53%)
- Blue (78%)



- Cyan (65%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)





- Cyan (73%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7342, 46.4240, 57.6875 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 32.7342, 46.4240, 57.6875 by changing the saturation by 10% instead.


 32.7342, 46.4240,
57.6875


 32.7342, 46.4240,
57.6875


306.1365,
372.5107, 433.5862


 22.0812, 32.5805,
41.1444


 63.3178, 84.8532,
102.9779

 14.0335, 21.8053,
28.1114


 83.9790, 110.2077,
132.5624

 8.2258, 13.7139,
18.1699


 108.7071,
140.1680, 167.3310

 4.2928, 7.9220,
10.9013

 137.8673,
175.1186, 207.7024

 1.8691, 4.0450,
5.8872

171.8250,
215.4437, 254.0951

 0.5588, 1.6988,
2.7089

210.9455,

 0.0000, 0.4229,

261.5278, 306.9275

0.9479

255.5942,
313.7554, 366.6184

■ 0.0000, 0.0000,
0.0000

■ 32.7342, 46.4240,
57.6875

■ 32.7342, 46.4240,
57.6875

■ 31.4289, 45.7659,
57.0071

■ 34.5211, 47.3324,
58.3970

■ 30.5508, 45.3268,
56.3502

■ 36.8288, 48.5081,
59.1344

■ 30.0395, 45.0768,
55.7149

■ 39.6971, 49.9728,
59.9025

■ 29.8743, 44.9977,
55.4333

■ 43.1609, 51.7443,
60.7030

■ 47.2522, 53.8392,
61.5374

■ 52.0008, 56.2729,
62.4071

■ 57.4344, 59.0596,
63.3134

■ 63.5792, 62.2128,
64.2576

■ 70.4602, 65.7455,
65.2408

Harmonies

Analogous

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



33.1359, 46.4240, 39.4339



32.7342, 46.4240, 57.6875



35.1448, 46.4240, 78.3739

Triad

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



32.7342, 46.4240, 57.6875



52.9956, 46.4240, 83.6029



48.4656, 46.4240, 23.2906

Complementary

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



32.7342, 46.4240, 57.6875



27.2537, 17.0589, 8.6955

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.



54.5169, 46.4240, 30.2372



32.7342, 46.4240, 57.6875



57.3082, 46.4240, 63.5753

Square

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



32.7342, 46.4240, 57.6875



46.5518, 46.4240, 95.6428



57.8913, 46.4240, 44.0230



41.7833, 46.4240, 22.4665

Rectangle

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



32.7342, 46.4240, 57.6875



38.1787, 46.4240, 89.6325



57.8913, 46.4240, 44.0230



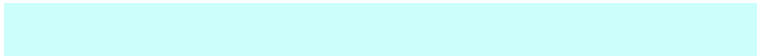
50.6579, 46.4240, 24.8863

Sweetspot

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



32.7356, 46.4258, 57.6886



78.2760, 91.4030, 105.8403



24.8501, 43.3485, 12.6889



16.3304, 19.3470, 22.5665



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.



32.7356, 46.4258, 57.6886



53.6218, 78.8377, 98.1642



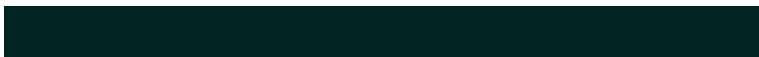
22.7388, 25.1524, 58.3019



10.9213, 12.0574, 13.5356



19.0053, 28.6145, 35.3020



0.9076, 1.3580, 1.7120

Inverse Universe

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



27.2537, 17.0589, 8.6955



43.4728, 24.2304, 7.2837



32.3264, 27.5731, 9.2499



10.6565, 10.6460, 11.1742



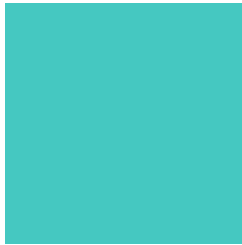
15.1930, 7.8268, 0.9604



0.7276, 0.3739, 0.0886

Previews

White Background



This preview shows how the XYZ color 32.7342, 46.4240, 57.6875 looks on a white background.

Color Contrast Check

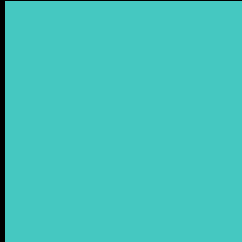
Large Text (above 18pt) WCAG AA × Fail

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 32.7342, 46.4240, 57.6875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

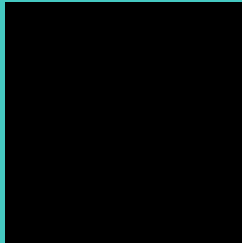
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

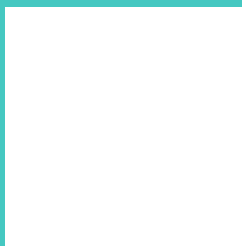
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7342, 46.4240, 57.6875

Background



This preview shows how black text looks on a background with the XYZ color 32.7342, 46.4240, 57.6875.

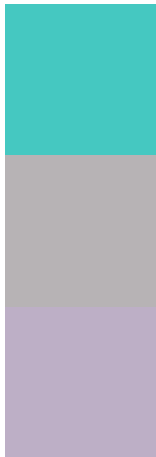


This preview shows how white text looks on a background with the XYZ color 32.7342, 46.4240,

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**

32.7342, 46.4240, 57.6875

Protanopia

43.9890, 45.6437, 50.2077

Deuteranopia

46.5093, 45.5560, 59.7680



Tritanopia

35.2009, 46.3989, 70.0514

Trichromacy



Original Color

32.7342, 46.4240, 57.6875



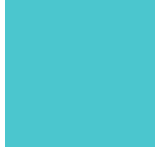
Protanomaly

37.6826, 44.7942, 52.5590



Deuteranomaly

38.7813, 44.2862, 58.7287



Tritanomaly

34.2363, 46.3403, 65.5326

Monochromacy



Original Color

32.7342, 46.4240, 57.6875



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.5288, 38.1505, 44.7318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7342, 46.4240, 57.6875 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(69, 200, 193)` looks like.

```
.text, #text, p{  
    color:rgb(69, 200, 193)  
}
```

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(69, 200, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 200, 193) }
```

Border

The CSS property to change the border of an element to XYZ 32.7342, 46.4240, 57.6875 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(69, 200, 193) }
```


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

```
.border{ border-color:rgb(69, 200, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 200, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 200, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 200, 193);  
box-shadow:4px 4px 4px 4px rgb(69, 200,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7342, 46.4240, 57.6875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 200, 193) }
```

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

```
.background{ background-color: rgb(69, 200,  
193) }
```

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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