

Converting Colors

XYZ(32.1926, 46.6243, 56.6959)

Have a look what the booklet for
XYZ(32.1926, 46.6243, 56.6959)
contains.

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Color

**XYZ(32.0942, 46.4647,
56.5673)**

Conversions

Conversions Part 1

Format	Color
Hex	3BC9BF
RGB	59, 201, 191
RGB Percent	23%, 79%, 75%
CMY	0.7686, 0.2118, 0.2510
CMYK	0.71, 0.00, 0.05, 0.21
HSL	176°, 57%, 51%
HSV	176°, 71%, 79%
XYZ	32.0942, 46.4647, 56.5673
YIQ	157.4020, -81.4220, -33.2140

Conversions

Conversions Part 2

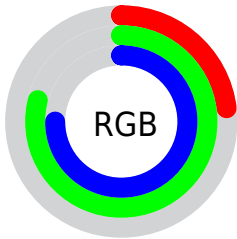
Format	Color
RYB	59, 133, 201
Decimal	3918271
CIELab	73.85, -39.09, -5.87
CIELCh	74, 39.530, 188.544
Yxy	46.4647, 0.2375, 0.3439
Android (android.graphics.Color)	4282108351 (0xFF3BC9BF)
YUV	157.4020, 16.5638, -86.2986
Hunter-Lab	68.1650, -35.2455, -1.4868

Details

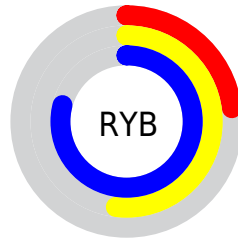
The XYZ color **32.0942, 46.4647, 56.5673** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **26.7270, 15.9764, 7.3067**, and the grayscale version is **32.1843, 33.8604, 36.8740**.

A 20% lighter version of the original color is **61.1527, 82.6710, 100.7297**, and **14.8663, 22.3927, 27.5835** is the 20% darker color. If you saturate the color by 10%, you get **30.9696, 45.9039, 55.7062**, and if you desaturate by 10%, it is **33.6815, 47.2660, 57.4600**.

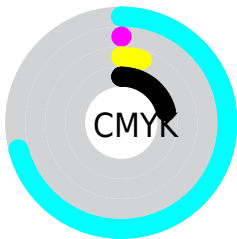
Distribution



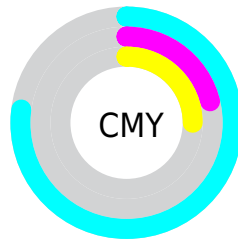
- Red (23%)
- Green (79%)
- Blue (75%)



- Red (23%)
- Yellow (52%)
- Blue (79%)



- Cyan (71%)
- Magenta (0%)
- Yellow (5%)
- Black (21%)





- Cyan (77%)
- Magenta (21%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0942, 46.4647, 56.5673 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 32.0942, 46.4647, 56.5673 by changing the saturation by 10% instead.


 32.0942, 46.4647,
56.5673


 32.0942, 46.4647,
56.5673


303.2858,
372.6738, 429.2742


 21.5894, 32.6127,
40.2509


 62.3229, 84.9140,
101.3276


 13.6704, 21.8299,
27.4189


 82.7775, 110.2801,
130.6086

 7.9719, 13.7320,
17.6529


 107.2794,
140.2531, 165.0482

 4.1287, 7.9345,
10.5342

 136.1940,
175.2172, 205.0649

 1.7752, 4.0531,
5.6444

 169.8865,
215.5569, 251.0773

 0.5026, 1.7033,
2.5648

208.7225,

 0.0000, 0.4258,

261.6567, 303.5040

0.8742

253.0671,
313.9008, 362.7634

■ 0.0000, 0.0000,
0.0000

■ 32.0942, 46.4647,
56.5673

■ 32.0942, 46.4647,
56.5673

■ 30.9696, 45.9039,
55.7062

■ 33.6815, 47.2660,
57.4600

■ 30.2476, 45.5495,
54.8708

■ 35.7745, 48.3267,
58.3832

■ 29.8405, 45.3560,
54.1088

■ 38.4160, 49.6699,
59.3400

■ 41.6428, 51.3148,
60.3321

■ 45.4888, 53.2787,
61.3611

■ 49.9853, 55.5778,
62.4285

■ 55.1614, 58.2270,
63.5358

■ 61.0445, 61.2405,
64.6841

■ 67.6603, 64.6316,
65.8747

Harmonies

Analogous

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



32.7346, 46.4647, 37.7062



32.0942, 46.4647, 56.5673



34.4080, 46.4647, 78.7669

Triad

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



32.0942, 46.4647, 56.5673



53.1375, 46.4647, 87.3330



49.2971, 46.4647, 22.4287

Complementary

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



32.0942, 46.4647, 56.5673



26.7270, 15.9764, 7.3067

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.



55.6075, 46.4647, 30.0924



32.0942, 46.4647, 56.5673



57.9834, 46.4647, 66.1229

Square

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



32.0942, 46.4647, 56.5673



46.2031, 46.4647, 99.3716



58.9323, 46.4647, 45.0533



42.1844, 46.4647, 21.1434

Rectangle

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



32.0942, 46.4647, 56.5673



37.4753, 46.4647, 91.3451



58.9323, 46.4647, 45.0533



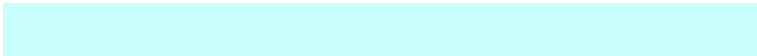
51.6031, 46.4647, 24.2233

Sweetspot

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



32.0956, 46.4665, 56.5684



77.4171, 90.9794, 104.9359



24.2638, 43.4242, 11.2415



16.1566, 19.2619, 22.3539



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.



32.0956, 46.4665, 56.5684



52.2571, 78.2122, 94.5724



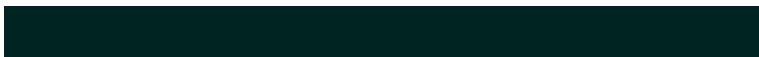
21.9959, 24.4451, 58.8194



10.9132, 12.0542, 13.4932



18.7761, 28.5228, 34.0950



0.8990, 1.3545, 1.6666

Inverse Universe

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



26.7270, 15.9764, 7.3067



42.5957, 22.9241, 5.6106



31.3766, 25.7312, 7.4515



10.6637, 10.6489, 11.2122



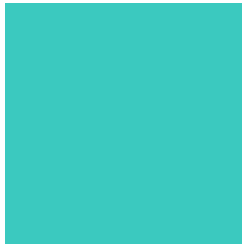
15.2086, 7.8330, 1.0422



0.7309, 0.3752, 0.1061

Previews

White Background



This preview shows how the XYZ color 32.0942, 46.4647, 56.5673 looks on a white background.

Color Contrast Check

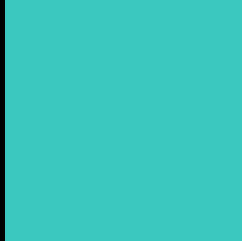
Large Text (above 18pt) WCAG AA × Fail

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 32.0942, 46.4647, 56.5673 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

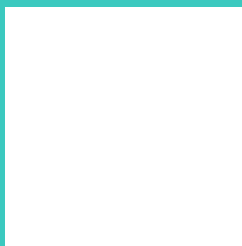
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0942, 46.4647, 56.5673

Background



This preview shows how black text looks on a background with the XYZ color 32.0942, 46.4647, 56.5673.

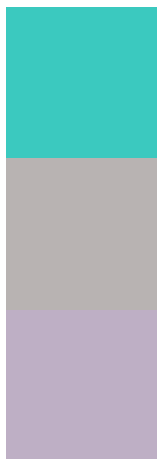


This preview shows how white text looks on a background with the XYZ color 32.0942, 46.4647,

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

32.0942, 46.4647, 56.5673

Protanopia

43.9231, 45.6449, 48.6148

Deuteranopia

46.6432, 45.6383, 59.1740



Tritanopia

35.0042, 46.6209, 70.7722

Trichromacy



Original Color

32.0942, 46.4647, 56.5673



Protanomaly

36.9650, 44.4485, 51.4309



Deuteranomaly

38.1461, 43.9719, 58.1067



Tritanomaly

33.8787, 46.4964, 65.5816

Monochromacy



Original Color

32.0942, 46.4647, 56.5673



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.9902, 36.8167, 43.0618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0942, 46.4647, 56.5673 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(59, 201, 191)` looks like.

```
.text, #text, p{  
    color:rgb(59, 201, 191)  
}
```

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(59, 201, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 201, 191) }
```

Border

The CSS property to change the border of an element to XYZ 32.0942, 46.4647, 56.5673 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(59, 201, 191) }
```


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

```
.border{ border-color:rgb(59, 201, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 201, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 201, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 201, 191);  
box-shadow:4px 4px 4px 4px rgb(59, 201,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0942, 46.4647, 56.5673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 201, 191) }
```

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

```
.background{ background-color: rgb(59, 201,  
191) }
```

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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