

Converting Colors

XYZ(31.3429, 42.9022, 56.6041)

Have a look what the booklet for
XYZ(31.3429, 42.9022, 56.6041)
contains.

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Color

**XYZ(31.4246, 43.0828,
56.5287)**

Conversions

Conversions Part 1

Format	Color
Hex	4DC0C0
RGB	77, 192, 192
RGB Percent	30%, 75%, 75%
CMY	0.6980, 0.2470, 0.2471
CMYK	0.60, 0.00, 0.00, 0.25
HSL	180°, 48%, 53%
HSV	180°, 60%, 75%
XYZ	31.4246, 43.0828, 56.5287
YIQ	157.6150, -68.5400, -24.3800

Conversions

Conversions Part 2

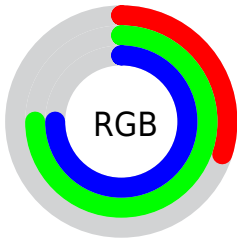
Format	Color
RYB	77, 135, 192
Decimal	5095616
CIELab	71.61, -31.90, -9.69
CIElCh	72, 33.336, 196.898
Yxy	43.0828, 0.2398, 0.3288
Android (android.graphics.Color)	4283285696 (0xFF4DC0C0)
YUV	157.6150, 16.9518, -70.6994
Hunter-Lab	65.6375, -29.4070, -5.1158

Details

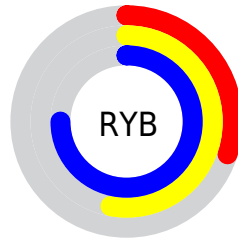
The XYZ color **31.4246, 43.0828, 56.5287** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.7331, 17.0513, 8.9575**, and the grayscale version is **32.2744, 33.9551, 36.9771**.

A 20% lighter version of the original color is **61.3002, 79.9319, 101.0045**, and **13.7487, 20.0410, 27.5698** is the 20% darker color. If you saturate the color by 10%, you get **30.0985, 42.4001, 56.4674**, and if you desaturate by 10%, it is **33.2105, 44.0044, 56.6134**.

Distribution



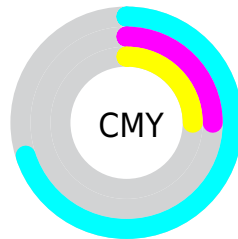
- Red (30%)
- Green (75%)
- Blue (75%)



- Red (30%)
- Yellow (53%)
- Blue (75%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)



- Cyan (70%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4246, 43.0828, 56.5287 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 31.4246, 43.0828, 56.5287 by changing the saturation by 10% instead.

■ 31.4246, 43.0828,
56.5287

■ 31.4246, 43.0828,
56.5287

300.2818,
358.9522, 429.1251

■ 21.0758, 29.9501,
40.2201

■ 61.2793, 79.8358,
101.2707

■ 13.2922, 19.8007,
27.3951

■ 81.5158, 104.2249,
130.5412

■ 7.7084, 12.2503,
17.6351

■ 105.7790,
133.1348, 164.9694

■ 3.9592, 6.9144,
10.5216

■ 134.4342,
166.9501, 204.9738

■ 1.6791, 3.4086,
5.6361

167.8467,
206.0551, 250.9731

■ 0.4431, 1.3486,
2.5599

206.3819,

■ 0.0000, 0.1784,

250.8342, 303.3857

0.8716

250.4051,
301.6717, 362.6302

■ 0.0000, 0.0000,
0.0000

■ 31.4246, 43.0828,
56.5287

■ 31.4246, 43.0828,
56.5287

■ 30.0985, 42.4001,
56.4674

■ 33.2105, 44.0044,
56.6134

■ 29.1866, 41.9301,
56.4246

■ 35.4887, 45.1789,
56.7202

■ 28.6413, 41.6489,
56.3989

■ 38.2934, 46.6248,
56.8516

■ 28.3673, 41.5077,
56.3859

■ 41.6547, 48.3576,
57.0091

■ 28.3647, 41.5064,
56.3858

■ 45.6002, 50.3915,
57.1939

■ 50.1559, 52.7401,
57.4073

■ 55.3460, 55.4157,
57.6503

■ 61.1938, 58.4303,
57.9242

■ 67.7209, 61.7952,
58.2298

Harmonies

Analogous

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



31.2690, 43.0828, 40.2160



31.4246, 43.0828, 56.5287



33.9770, 43.0828, 73.4360

Triad

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



31.4246, 43.0828, 56.5287



49.3880, 43.0828, 71.4920



43.4566, 43.0828, 22.6971

Complementary

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



31.4246, 43.0828, 56.5287



25.7331, 17.0513, 8.9575

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.



48.8147, 43.0828, 27.6914



31.4246, 43.0828, 56.5287



52.4450, 43.0828, 54.3080

Square

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



31.4246, 43.0828, 56.5287



44.1826, 43.0828, 83.3425



52.2260, 43.0828, 38.4492



37.8770, 43.0828, 23.0268

Rectangle

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



31.4246, 43.0828, 56.5287



36.8397, 43.0828, 81.6675



52.2260, 43.0828, 38.4492



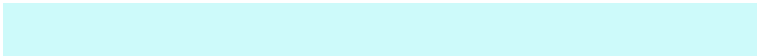
45.3529, 43.0828, 23.7496

Sweetspot

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



31.4259, 43.0844, 56.5297



76.5483, 88.1724, 103.3442



23.4080, 39.8954, 13.4891



16.0048, 18.7007, 22.1512



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.4259, 43.0844, 56.5297



53.9175, 76.5058, 102.2834



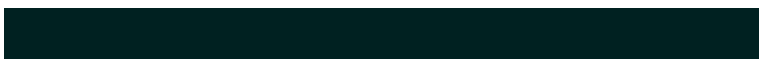
21.4394, 23.1111, 53.2018



10.3686, 11.4285, 12.9442



19.0858, 27.9284, 37.9403



0.8246, 1.2067, 1.6393

Inverse Universe

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



25.7331, 17.0513, 8.9575



42.6816, 25.1242, 8.3901



31.4099, 28.4051, 10.8495



10.0732, 10.0779, 10.4762



14.6275, 7.5408, 0.6846



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 31.4246, 43.0828, 56.5287 looks on a white background.

Color Contrast Check

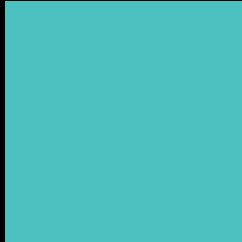
Large Text (above 18pt) WCAG AA × Fail

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 31.4246, 43.0828, 56.5287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

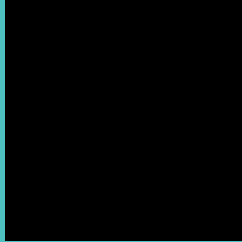
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

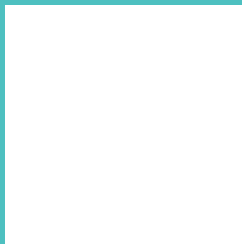
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4246, 43.0828, 56.5287

Background



This preview shows how black text looks on a background with the XYZ color 31.4246, 43.0828, 56.5287.

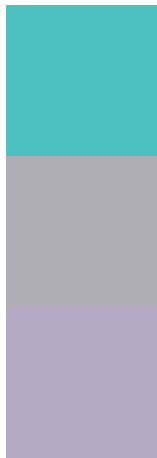


This preview shows how white text looks on a background with the XYZ color 31.4246, 43.0828,

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

31.4246, 43.0828, 56.5287

Protanopia

40.9633, 42.3373, 49.7290

Deuteranopia

43.5088, 42.6044, 58.7536



Tritanopia

33.0002, 43.0737, 64.3324

Trichromacy



Original Color

31.4246, 43.0828, 56.5287

Protanomaly

35.7257, 41.6343, 52.0522

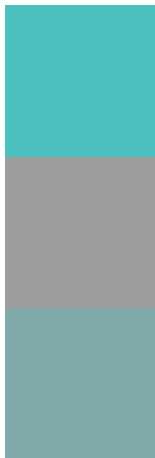
Deuteranomaly

37.0984, 41.6206, 57.7080

Tritanomaly

32.4495, 43.1811, 61.2681

Monochromacy



Original Color

31.4246, 43.0828, 56.5287

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.6837, 36.3189, 43.4232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4246, 43.0828, 56.5287 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(77, 192, 192)` looks like.

```
.text, #text, p{  
    color:rgb(77, 192, 192)  
}
```

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(77, 192, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 192, 192) }
```

Border

The CSS property to change the border of an element to XYZ 31.4246, 43.0828, 56.5287 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(77, 192, 192) }
```


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

```
.border{ border-color:rgb(77, 192, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 192, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 192, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 192, 192);  
box-shadow:4px 4px 4px 4px rgb(77, 192,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4246, 43.0828, 56.5287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 192, 192) }
```

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

```
.background{ background-color: rgb(77, 192,  
192) }
```

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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