

Converting Colors

XYZ(31.7103, 47.0201, 52.9704)

Have a look what the booklet for
XYZ(31.7103, 47.0201, 52.9704)
contains.

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Color

**XYZ(31.6950, 47.0424,
52.7570)**

Conversions

Conversions Part 1

Format	Color
Hex	39CBB8
RGB	57, 203, 184
RGB Percent	22%, 80%, 72%
CMY	0.7764, 0.2039, 0.2784
CMYK	0.72, 0.00, 0.09, 0.20
HSL	172°, 58%, 51%
HSV	172°, 72%, 80%
XYZ	31.6950, 47.0424, 52.7570
YIQ	157.1800, -80.9170, -36.8610

Conversions

Conversions Part 2

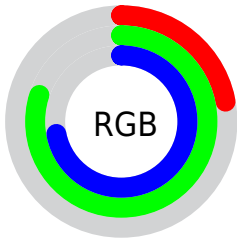
Format	Color
RYB	57, 135, 203
Decimal	3787704
CIELab	74.22, -42.14, -1.54
CIELCh	74, 42.167, 182.092
Yxy	47.0424, 0.2410, 0.3578
Android (android.graphics.Color)	4281977784 (0xFF39CBB8)
YUV	157.1800, 13.2223, -87.8579
Hunter-Lab	68.5875, -37.5413, 2.4058

Details

The XYZ color **31.6950, 47.0424, 52.7570** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **27.3978, 16.1459, 8.5116**, and the grayscale version is **32.0989, 33.7705, 36.7761**.

A 20% lighter version of the original color is **59.9456, 82.1712, 95.1392**, and **14.6866, 22.8185, 25.1031** is the 20% darker color. If you saturate the color by 10%, you get **30.4866, 46.4523, 51.2690**, and if you desaturate by 10%, it is **33.3737, 47.8766, 54.2961**.

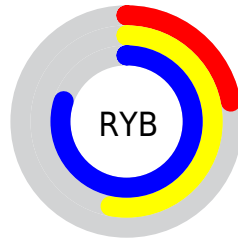
Distribution



Red (22%)

Green (80%)

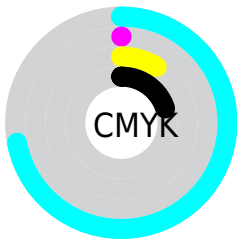
Blue (72%)



Red (22%)

Yellow (53%)

Blue (80%)

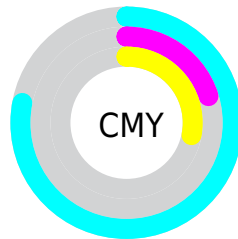


Cyan (72%)

Magenta (0%)

Yellow (9%)

Black (20%)



Cyan (78%)

Magenta (20%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6950, 47.0424, 52.7570 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 31.6950, 47.0424, 52.7570 by changing the saturation by 10% instead.

■ 31.6950, 47.0424,
52.7570

■ 31.6950, 47.0424,
52.7570

301.4976,
374.9837, 414.3919

■ 21.2831, 33.0692,
37.2224

■ 61.7011, 85.7769,
95.6846

■ 13.4447, 22.1794,
25.0826

■ 82.0259, 111.3070,
123.9147

■ 7.8146, 13.9888,
15.9190

■ 106.3857,
141.4581, 157.2138

■ 4.0273, 8.1129,
9.3131

■ 135.1460,
176.6147, 196.0003

■ 1.7176, 4.1673,
4.8464

■ 168.6719,
217.1612, 240.6929

■ 0.4673, 1.7676,
2.1003

207.3289,

■ 0.0000, 0.4668,

263.4819, 291.7100

0.6159

251.4823,
315.9613, 349.4701

■ 0.0000, 0.0000,
0.0000

■ 31.6950, 47.0424,
52.7570

■ 31.6950, 47.0424,
52.7570

■ 30.4866, 46.4523,
51.2690

■ 33.3737, 47.8766,
54.2961

■ 29.6855, 46.0704,
49.8259

■ 35.5679, 48.9749,
55.8854

■ 29.2509, 45.8710,
48.6891

■ 38.3220, 50.3611,
57.5282

■ 41.6743, 52.0552,
59.2264

■ 45.6600, 54.0752,
60.9819

■ 50.3114, 56.4377,
62.7962

■ 55.6586, 59.1584,
64.6710

■ 61.7299, 62.2516,
66.6076

■ 68.5519, 65.7313,
68.6075

Harmonies

Analogous

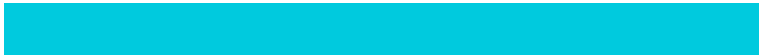
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.0510, 47.0424, 34.0930



31.6950, 47.0424, 52.7570



33.4870, 47.0424, 76.6932

Triad

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



31.6950, 47.0424, 52.7570



52.8938, 47.0424, 95.2383



51.8717, 47.0424, 22.5237

Complementary

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



31.6950, 47.0424, 52.7570



27.3978, 16.1459, 8.5116

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.



58.2018, 47.0424, 32.1242



31.6950, 47.0424, 52.7570



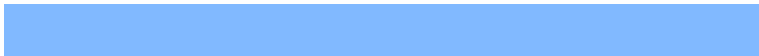
58.8372, 47.0424, 73.2972

Square

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



31.6950, 47.0424, 52.7570



45.2455, 47.0424, 105.1462



60.8801, 47.0424, 49.7155



44.1835, 47.0424, 19.8515

Rectangle

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



31.6950, 47.0424, 52.7570



36.3580, 47.0424, 91.6195



60.8801, 47.0424, 49.7155



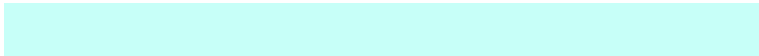
54.2575, 47.0424, 24.8828

Sweetspot

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



31.6964, 47.0442, 52.7581



76.1832, 90.4070, 101.9969



25.1137, 44.5648, 11.1502



15.8930, 19.1412, 21.6568



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.



31.6964, 47.0442, 52.7581



50.2675, 77.4058, 84.5726



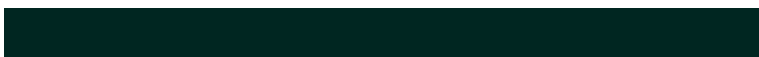
23.2899, 26.8264, 60.4524



11.4780, 12.7009, 14.0745



18.6384, 29.2007, 31.1106



0.9795, 1.5136, 1.6994

Inverse Universe

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



27.3978, 16.1459, 8.5116



42.7942, 22.8766, 7.0469



31.0025, 24.2611, 6.9208



11.2708, 11.2370, 11.9605



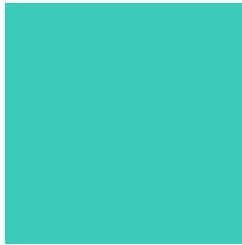
15.8143, 8.1363, 1.4746



0.8359, 0.4277, 0.1815

Previews

White Background



This preview shows how the XYZ color 31.6950, 47.0424, 52.7570 looks on a white background.

Color Contrast Check

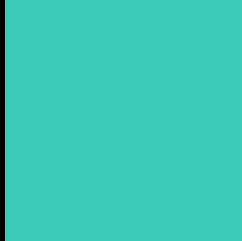
Large Text (above 18pt) WCAG AA × Fail

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 31.6950, 47.0424, 52.7570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

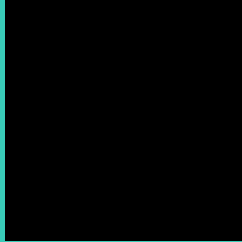
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

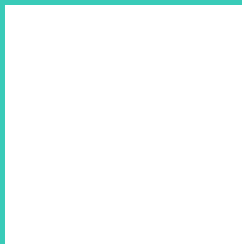
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6950, 47.0424, 52.7570

Background



This preview shows how black text looks on a background with the XYZ color 31.6950, 47.0424, 52.7570.

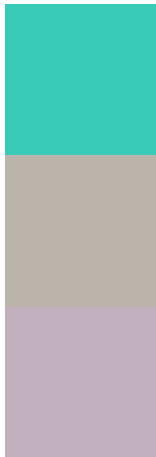


This preview shows how white text looks on a background with the XYZ color 31.6950, 47.0424,

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

31.6950, 47.0424, 52.7570

Protanopia

44.1655, 46.1476, 45.1077

Deuteranopia

47.3253, 46.3705, 55.1713



Tritanopia

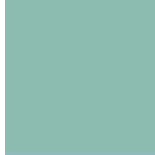
35.5132, 47.2090, 71.5305

Trichromacy



Original Color

31.6950, 47.0424, 52.7570



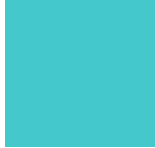
Protanomaly

36.6349, 44.6765, 47.7669



Deuteranomaly

38.3131, 44.7684, 54.1988



Tritanomaly

33.9373, 46.8971, 64.3901

Monochromacy



Original Color

31.6950, 47.0424, 52.7570



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.9963, 37.1271, 42.1445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6950, 47.0424, 52.7570 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(57, 203, 184)` looks like.

```
.text, #text, p{  
    color:rgb(57, 203, 184)  
}
```

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(57, 203, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 203, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.6950, 47.0424, 52.7570 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(57, 203, 184) }
```


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

```
.border{ border-color:rgb(57, 203, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 203, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 203, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 203, 184);  
box-shadow:4px 4px 4px 4px rgb(57, 203,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6950, 47.0424, 52.7570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 203, 184) }
```

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

```
.background{ background-color: rgb(57, 203,  
184) }
```

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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