

Converting Colors

XYZ(31.2907, 42.8127, 50.8704)

Have a look what the booklet for
XYZ(31.2907, 42.8127, 50.8704)
contains.

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Color

**XYZ(31.2907, 42.8127,
50.8704)**

Conversions

Conversions Part 1

Format	Color
Hex	5ABFB6
RGB	90, 191, 182
RGB Percent	35%, 75%, 71%
CMY	0.6470, 0.2510, 0.2863
CMYK	0.53, 0.00, 0.05, 0.25
HSL	175°, 44%, 55%
HSV	175°, 53%, 75%
XYZ	31.2907, 42.8127, 50.8704
YIQ	159.7750, -57.3070, -24.2110

Conversions

Conversions Part 2

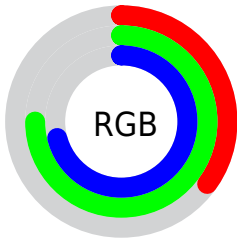
Format	Color
RYB	90, 143, 191
Decimal	5947318
CIELab	71.43, -31.60, -4.45
CIElCh	71, 31.909, 188.022
Yxy	42.8127, 0.2504, 0.3426
Android (android.graphics.Color)	4284137398 (0xFF5ABFB6)
YUV	159.7750, 10.9569, -61.1927
Hunter-Lab	65.4314, -29.1425, -0.2937

Details

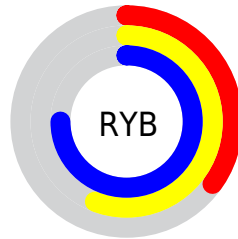
The XYZ color **31.2907, 42.8127, 50.8704** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.3956, 19.2907, 14.0853**, and the grayscale version is **33.2812, 35.0144, 38.1306**.

A 20% lighter version of the original color is **61.2128, 79.6037, 93.0277**, and **13.1966, 19.6250, 23.8614** is the 20% darker color. If you saturate the color by 10%, you get **29.4917, 41.9065, 49.8742**, and if you desaturate by 10%, it is **33.5717, 43.9692, 51.9022**.

Distribution



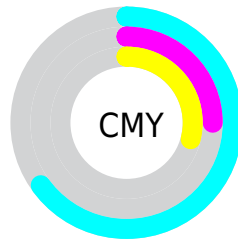
- Red (35%)
- Green (75%)
- Blue (71%)



- Red (35%)
- Yellow (56%)
- Blue (75%)



- Cyan (53%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)



- Cyan (65%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2907, 42.8127, 50.8704 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 31.2907, 42.8127, 50.8704 by changing the saturation by 10% instead.

■ 31.2907, 42.8127,
50.8704

■ 31.2907, 42.8127,
50.8704

299.6784,
357.8409, 406.8922

■ 20.9732, 29.7382,
35.7295

■ 61.0702, 79.4281,
92.8727

■ 13.2168, 19.6399,
23.9373

■ 81.2629, 103.7379,
120.5712

■ 7.6560, 12.1336,
15.0753

■ 105.4781,
132.5614, 153.2926

■ 3.9256, 6.8347,
8.7251

■ 134.0811,
166.2832, 191.4554

■ 1.6601, 3.3590,
4.4679

167.4373,
205.2877, 235.4782

■ 0.4311, 1.3219,
1.8854

205.9120,

■ 0.0000, 0.1581,

249.9592, 285.7796

0.4834

249.8705,
300.6822, 342.7781

■ 0.0000, 0.0000,
0.0000

■ 31.2907, 42.8127,
50.8704

■ 31.2907, 42.8127,
50.8704

■ 29.4917, 41.9065,
49.8742

■ 33.5717, 43.9692,
51.9022

■ 28.1335, 41.2263,
48.9088

■ 36.3643, 45.3881,
52.9682

■ 27.1745, 40.7516,
47.9732

■ 39.7001, 47.0868,
54.0709

■ 26.5632, 40.4560,
47.0650

■ 43.6072, 49.0798,
55.2116

■ 26.2695, 40.3183,
46.4315

■ 48.1117, 51.3805,
56.3915

■ 53.2380, 54.0015,
57.6120

■ 59.0093, 56.9548,
58.8740

■ 65.4475, 60.2516,
60.1787

■ 69.9866, 62.5691,
61.4059

Harmonies

Analogous

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



31.8395, 42.8127, 36.3910



31.2907, 42.8127, 50.8704



33.0802, 42.8127, 67.3319

Triad

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



31.2907, 42.8127, 50.8704



47.3972, 42.8127, 74.0424



44.6846, 42.8127, 24.1995

Complementary

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



31.2907, 42.8127, 50.8704



27.3956, 19.2907, 14.0853

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.



49.3906, 42.8127, 30.6550



31.2907, 42.8127, 50.8704



51.0503, 42.8127, 58.5960

Square

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



31.2907, 42.8127, 50.8704



42.1519, 42.8127, 82.5043



51.8101, 42.8127, 42.6052



39.2666, 42.8127, 23.0168

Rectangle

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



31.2907, 42.8127, 50.8704



35.4597, 42.8127, 76.5066



51.8101, 42.8127, 42.6052



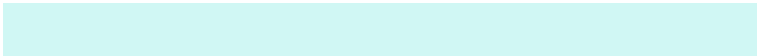
46.4157, 42.8127, 25.7433

Sweetspot

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



31.2920, 42.8144, 50.8714



75.6190, 86.6338, 98.1832



25.7441, 40.7166, 16.1758



16.2824, 18.8593, 21.4665



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.



31.2920, 42.8144, 50.8714



52.5076, 74.8960, 89.1254



24.6240, 27.9413, 53.3876



9.7709, 10.7945, 12.0431



17.2786, 26.5017, 30.5937



0.6877, 1.0424, 1.2556

Inverse Universe

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



27.3956, 19.2907, 14.0853



44.8378, 28.4375, 16.6008



31.3687, 27.8878, 13.4032



9.5638, 9.5498, 10.0919



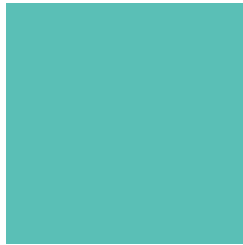
14.2001, 7.3112, 1.0815



0.5680, 0.2911, 0.1046

Previews

White Background



This preview shows how the XYZ color 31.2907, 42.8127, 50.8704 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 31.2907, 42.8127, 50.8704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

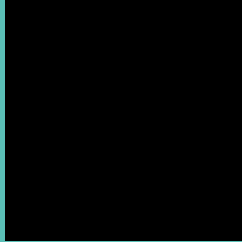
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2907, 42.8127, 50.8704

Background



This preview shows how black text looks on a background with the XYZ color 31.2907, 42.8127, 50.8704.

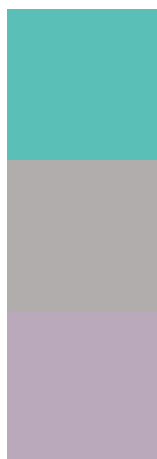


This preview shows how white text looks on a background with the XYZ color 31.2907, 42.8127,

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

31.2907, 42.8127, 50.8704

Protanopia

40.5214, 42.2128, 45.0419

Deuteranopia

43.1652, 42.2781, 52.8991



Tritanopia

33.6925, 42.8196, 62.9891

Trichromacy



Original Color

31.2907, 42.8127, 50.8704

Protanomaly

35.8348, 41.7968, 47.2532

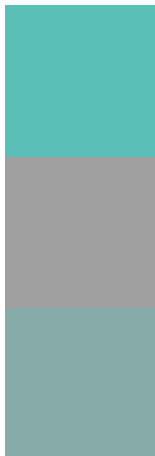
Deuteranomaly

37.0568, 41.4311, 51.9428

Tritanomaly

32.6640, 42.7150, 58.1530

Monochromacy



Original Color

31.2907, 42.8127, 50.8704

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.6225, 37.1039, 42.5409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2907, 42.8127, 50.8704 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(90, 191, 182)` looks like.

```
.text, #text, p{  
    color:rgb(90, 191, 182)  
}
```

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(90, 191, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 191, 182) }
```

Border

The CSS property to change the border of an element to XYZ 31.2907, 42.8127, 50.8704 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(90, 191, 182) }
```


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

```
.border{ border-color:rgb(90, 191, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 191, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 191, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 191, 182);  
box-shadow:4px 4px 4px 4px rgb(90, 191,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2907, 42.8127, 50.8704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 191, 182) }
```

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

```
.background{ background-color: rgb(90, 191,  
182) }
```

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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