

Converting Colors

XYZ(29.7070, 40.1171, 49.3577)

Have a look what the booklet for
XYZ(29.7070, 40.1171, 49.3577)
contains.

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Color

**XYZ(29.7070, 40.1171,
49.3577)**

Conversions

Conversions Part 1

Format	Color
Hex	59B9B4
RGB	89, 185, 180
RGB Percent	35%, 73%, 71%
CMY	0.6510, 0.2745, 0.2941
CMYK	0.52, 0.00, 0.03, 0.27
HSL	177°, 41%, 54%
HSV	177°, 52%, 73%
XYZ	29.7070, 40.1171, 49.3577
YIQ	155.7260, -55.6110, -21.9070

Conversions

Conversions Part 2

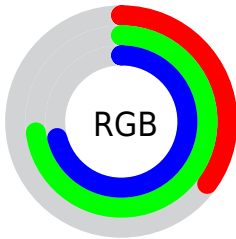
Format	Color
RYB	89, 138, 185
Decimal	5880244
CIELab	69.55, -29.44, -6.13
CIElCh	70, 30.074, 191.765
Yxy	40.1171, 0.2493, 0.3366
Android (android.graphics.Color)	4284070324 (0xFF59B9B4)
YUV	155.7260, 11.9671, -58.5187
Hunter-Lab	63.3381, -27.1210, -1.8665

Details

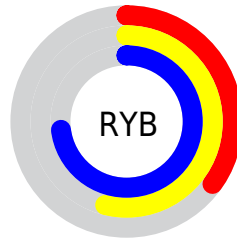
The XYZ color **29.7070, 40.1171, 49.3577** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.6017, 18.2683, 12.7678**, and the grayscale version is **31.4450, 33.0826, 36.0270**.

A 20% lighter version of the original color is **58.4497, 75.0777, 90.7677**, and **12.2563, 17.9243, 22.8924** is the 20% darker color. If you saturate the color by 10%, you get **28.0524, 39.2764, 48.7703**, and if you desaturate by 10%, it is **31.8108, 41.1912, 49.9715**.

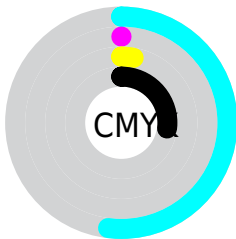
Distribution



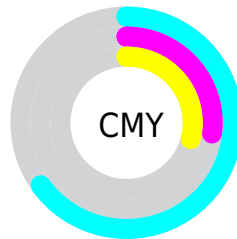
- Red (35%)
- Green (73%)
- Blue (71%)



- Red (35%)
- Yellow (54%)
- Blue (73%)



- Cyan (52%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)



- Cyan (65%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7070, 40.1171, 49.3577 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 29.7070, 40.1171, 49.3577 by changing the saturation by 10% instead.

■ 29.7070, 40.1171,
49.3577

■ 29.7070, 40.1171,
49.3577

292.4707,
346.6169, 400.8117

■ 19.7633, 27.6299,
34.5357

■ 58.5883, 75.3418,
90.6090

■ 12.3303, 18.0468,
23.0248

■ 78.2566, 98.8480,
117.8753

■ 7.0429, 10.9836,
14.4063

■ 101.8971,
126.7961, 150.1269

■ 3.5355, 6.0558,
8.2618

■ 129.8753,
159.5703, 187.7822

■ 1.4429, 2.8791,
4.1728

162.5563,
197.5551, 231.2598

■ 0.2865, 1.0689,
1.7206

200.3057,

■ 0.0000, 0.0000,

241.1348, 280.9782

0.3748

243.4887,
290.6940, 337.3560

■ 0.0000, 0.0000,
0.0000

■ 29.7070, 40.1171,
49.3577

■ 29.7070, 40.1171,
49.3577

■ 28.0524, 39.2764,
48.7703

■ 31.8108, 41.1912,
49.9715

■ 26.8092, 38.6467,
48.2048

■ 34.3907, 42.5097,
50.6102

■ 25.9398, 38.2097,
47.6603

■ 37.4757, 44.0886,
51.2762

■ 25.3976, 37.9412,
47.1347

■ 41.0917, 45.9410,
51.9706

■ 25.1233, 37.8087,
46.7188

■ 45.2625, 48.0795,
52.6946

■ 50.0107, 50.5155,
53.4492

■ 55.3574, 53.2599,
54.2354

■ 61.3230, 56.3234,
55.0542

■ 67.7399, 59.6194,
55.8977

Harmonies

Analogous

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



29.9383, 40.1171, 35.8424



29.7070, 40.1171, 49.3577



31.5865, 40.1171, 64.0022

Triad

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



29.7070, 40.1171, 49.3577



44.6874, 40.1171, 66.7927



41.1244, 40.1171, 22.9020

Complementary

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



29.7070, 40.1171, 49.3577



25.6017, 18.2683, 12.7678

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.



45.5202, 40.1171, 28.1924



29.7070, 40.1171, 49.3577



47.6944, 40.1171, 52.5857

Square

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



29.7070, 40.1171, 49.3577



40.0640, 40.1171, 75.4045



48.0115, 40.1171, 38.4566



36.2595, 40.1171, 22.3982

Rectangle

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



29.7070, 40.1171, 49.3577



33.8848, 40.1171, 71.6998



48.0115, 40.1171, 38.4566



42.7160, 40.1171, 24.1175

Sweetspot

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



29.7082, 40.1187, 49.3586



70.6417, 80.7650, 92.5254



23.9143, 37.8752, 15.5022



14.9462, 17.2664, 19.8920



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.7082, 40.1187, 49.3586



49.9541, 70.1959, 87.2281



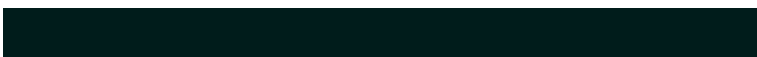
22.7606, 25.3932, 49.6025



9.2459, 10.2023, 11.4524



17.1146, 25.7468, 31.8549



0.6095, 0.9101, 1.1557

Inverse Universe

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



25.6017, 18.2683, 12.7678



41.8258, 26.8673, 14.7431



29.8748, 27.1623, 13.1203



9.0231, 9.0196, 9.4689



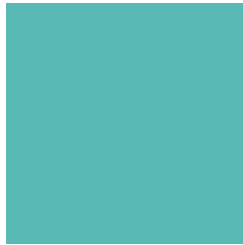
13.6678, 7.0409, 0.8714



0.4883, 0.2508, 0.0646

Previews

White Background



This preview shows how the XYZ color 29.7070, 40.1171, 49.3577 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 29.7070, 40.1171, 49.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

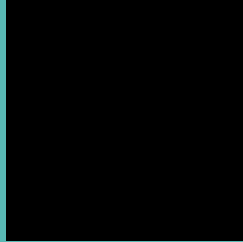
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

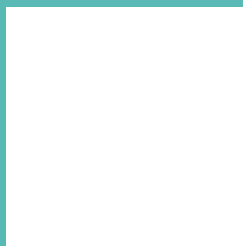
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7070, 40.1171, 49.3577

Background



This preview shows how black text looks on a background with the XYZ color 29.7070, 40.1171, 49.3577.

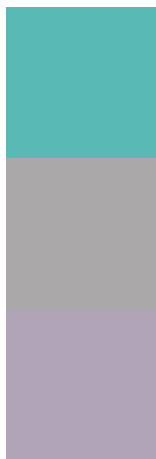


This preview shows how white text looks on a background with the XYZ color 29.7070, 40.1171,

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

29.7070, 40.1171, 49.3577

Protanopia

38.0529, 39.5655, 43.6615

Deuteranopia

40.2873, 39.4766, 50.8438



Tritanopia

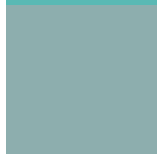
31.5253, 39.9200, 58.8671

Trichromacy



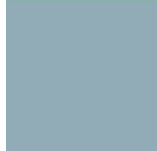
Original Color

29.7070, 40.1171, 49.3577



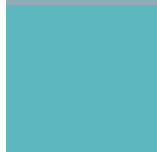
Protanomaly

33.7605, 38.9908, 45.7910



Deuteranomaly

35.1538, 39.0349, 50.4814



Tritanomaly

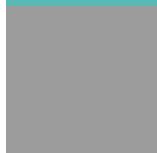
30.8517, 39.9557, 55.3764

Monochromacy



Original Color

29.7070, 40.1171, 49.3577



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

30.1260, 35.2596, 40.8153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7070, 40.1171, 49.3577 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(89, 185, 180)` looks like.

```
.text, #text, p{  
    color:rgb(89, 185, 180)  
}
```

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(89, 185, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 185, 180) }
```

Border

The CSS property to change the border of an element to XYZ 29.7070, 40.1171, 49.3577 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(89, 185, 180) }
```


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

```
.border{ border-color:rgb(89, 185, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 185, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 185, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 185, 180);  
box-shadow:4px 4px 4px 4px rgb(89, 185,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7070, 40.1171, 49.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 185, 180) }
```

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

```
.background{ background-color: rgb(89, 185,  
180) }
```

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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