

Converting Colors

XYZ(29.6138, 37.8773, 50.7837)

Have a look what the booklet for
XYZ(29.6138, 37.8773, 50.7837)
contains.

XYZ(29.6132, 37.9123, 50.5568)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.6132, 37.9123,
50.5568)**

Conversions

Conversions Part 1

Format	Color
Hex	63B2B7
RGB	99, 178, 183
RGB Percent	39%, 70%, 72%
CMY	0.6118, 0.3019, 0.2823
CMYK	0.46, 0.03, 0.00, 0.28
HSL	184°, 37%, 55%
HSV	184°, 46%, 72%
XYZ	29.6132, 37.9123, 50.5568
YIQ	154.9490, -48.6890, -15.1930

Conversions

Conversions Part 2

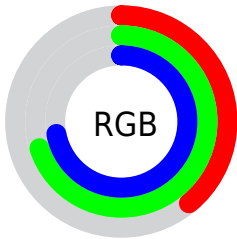
Format	Color
RYB	99, 140, 183
Decimal	6533815
CIELab	67.96, -22.92, -10.12
CIElCh	68, 25.051, 203.825
Yxy	37.9123, 0.2508, 0.3211
Android (android.graphics.Color)	4284723895 (0xFF63B2B7)
YUV	154.9490, 13.8291, -49.0673
Hunter-Lab	61.5730, -21.9040, -5.5812

Details

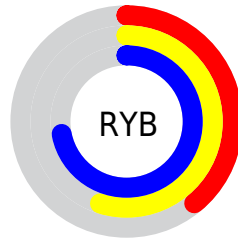
The XYZ color **29.6132, 37.9123, 50.5568** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.7315, 20.8694, 14.4246**, and the grayscale version is **31.0903, 32.7094, 35.6206**.

A 20% lighter version of the original color is **58.5204, 72.0462, 92.4833**, and **12.2773, 16.7504, 23.7052** is the 20% darker color. If you saturate the color by 10%, you get **27.6205, 36.5655, 50.4025**, and if you desaturate by 10%, it is **32.0629, 39.4990, 50.7346**.

Distribution



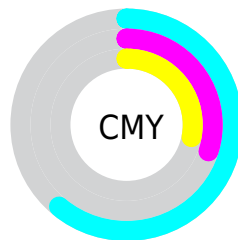
- Red (39%)
- Green (70%)
- Blue (72%)



- Red (39%)
- Yellow (55%)
- Blue (72%)



- Cyan (46%)
- Magenta (3%)
- Yellow (0%)
- Black (28%)



- Cyan (61%)
- Magenta (30%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6132, 37.9123, 50.5568 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 29.6132, 37.9123, 50.5568 by changing the saturation by 10% instead.

■ 29.6132, 37.9123,
50.5568

■ 29.6132, 37.9123,
50.5568

292.0396,
337.2436, 405.6367

■ 19.6918, 25.9146,
35.4817

■ 58.4408, 71.9737,
92.4041

■ 12.2782, 16.7598,
23.7477

■ 78.0777, 94.8062,
120.0134

■ 7.0070, 10.0634,
14.9361

■ 101.6837,
122.0191, 152.6379

■ 3.5128, 5.4410,
8.6284

■ 129.6244,
153.9969, 190.6961

■ 1.4304, 2.5083,
4.4061

162.2649,
191.1238, 234.6065

■ 0.2777, 0.8808,
1.8507

199.9707,

■ 0.0000, 0.0000,

233.7843, 284.7877

0.4611

243.1072,
282.3628, 341.6583

■ 0.0000, 0.0000,
0.0000

■ 29.6132, 37.9123,
50.5568

■ 29.6132, 37.9123,
50.5568

■ 27.6205, 36.5655,
50.4025

■ 32.0629, 39.4990,
50.7346

■ 26.0504, 35.4383,
50.2677

■ 34.9943, 41.3357,
50.9346

■ 24.8692, 34.5140,
50.1516

■ 38.4343, 43.4371,
51.1589

■ 24.0363, 33.7719,
50.0522

■ 42.4070, 45.8158,
51.4087

■ 23.5003, 33.1853,
49.9673

■ 46.9347, 48.4831,
51.6849

■ 23.3212, 32.9665,
49.9345

■ 52.0387, 51.4501,
51.9886

■ 57.7390, 54.7271,
52.3207

■ 64.0547, 58.3239,
52.6820

■ 67.7287, 60.5615,
52.9203

Harmonies

Analogous

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



29.0948, 37.9123, 39.0175



29.6132, 37.9123, 50.5568



31.7955, 37.9123, 61.1097

Triad

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



29.6132, 37.9123, 50.5568



42.4191, 37.9123, 55.2663



36.8454, 37.9123, 23.4284

Complementary

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



29.6132, 37.9123, 50.5568



26.7315, 20.8694, 14.4246

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.



40.6345, 37.9123, 26.2841



29.6132, 37.9123, 50.5568



43.9983, 37.9123, 43.6284

Square

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



29.6132, 37.9123, 50.5568



39.1427, 37.9123, 64.1531



43.3228, 37.9123, 33.2137



33.0953, 37.9123, 24.6146

Rectangle

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



29.6132, 37.9123, 50.5568



33.9898, 37.9123, 65.4743



43.3228, 37.9123, 33.2137



38.1596, 37.9123, 23.9282

Sweetspot

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



29.6143, 37.9138, 50.5577



69.9541, 78.4699, 91.6949



24.5381, 37.5037, 18.8312



15.1325, 17.1395, 20.2323



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.



29.6143, 37.9138, 50.5577



49.4644, 65.4854, 90.2686



22.6110, 23.9070, 48.2232



9.2197, 10.1166, 11.5462



16.2870, 23.0336, 34.8406



0.5881, 0.8399, 1.2329

Inverse Universe

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



32.0271, 22.2063, 44.7193



54.4006, 34.1658, 78.1410



31.9374, 31.2810, 16.1598



9.3572, 9.1533, 11.2286



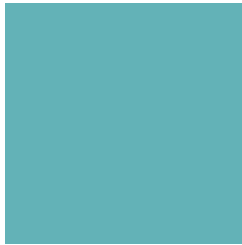
18.8346, 9.1076, 28.0794



0.6710, 0.3239, 1.0269

Previews

White Background



This preview shows how the XYZ color 29.6132, 37.9123, 50.5568 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 29.6132, 37.9123, 50.5568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

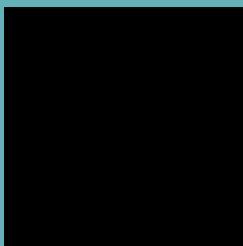
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

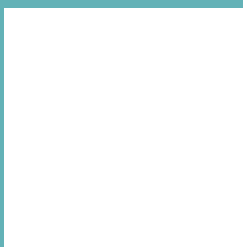
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6132, 37.9123, 50.5568

Background



This preview shows how black text looks on a background with the XYZ color 29.6132, 37.9123, 50.5568.

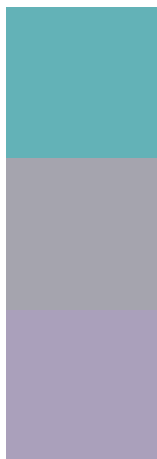


This preview shows how white text looks on a background with the XYZ color 29.6132, 37.9123,

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

29.6132, 37.9123, 50.5568

Protanopia

36.4325, 37.6062, 45.3829

Deuteranopia

38.1180, 37.2755, 52.1996



Tritanopia

30.4929, 37.9726, 55.0125

Trichromacy



Original Color

29.6132, 37.9123, 50.5568

Protanomaly

33.1083, 37.2130, 47.0328

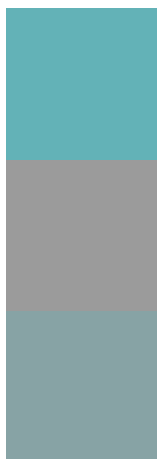
Deuteranomaly

34.1832, 37.1119, 51.8160

Tritanomaly

30.0548, 37.7844, 53.2860

Monochromacy



Original Color

29.6132, 37.9123, 50.5568

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.8804, 34.0619, 40.5970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6132, 37.9123, 50.5568 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(99, 178, 183)` looks like.

```
.text, #text, p{  
    color:rgb(99, 178, 183)  
}
```

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(99, 178, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 178, 183) }
```

Border

The CSS property to change the border of an element to XYZ 29.6132, 37.9123, 50.5568 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(99, 178, 183) }
```


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

```
.border{ border-color:rgb(99, 178, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 178, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 178, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 178, 183);  
box-shadow:4px 4px 4px 4px rgb(99, 178,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6132, 37.9123, 50.5568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 178, 183) }
```

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

```
.background{ background-color: rgb(99, 178,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor