

Converting Colors

XYZ(37.8587, 49.1377, 65.2999)

Have a look what the booklet for
XYZ(37.8587, 49.1377, 65.2999)
contains.

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Color

**XYZ(37.9695, 49.3069,
65.2736)**

Conversions

Conversions Part 1

Format	Color
Hex	6BC9CD
RGB	107, 201, 205
RGB Percent	42%, 79%, 80%
CMY	0.5804, 0.2118, 0.1961
CMYK	0.48, 0.02, 0.00, 0.20
HSL	182°, 49%, 61%
HSV	182°, 48%, 80%
XYZ	37.9695, 49.3069, 65.2736
YIQ	173.3500, -57.3080, -18.6840

Conversions

Conversions Part 2

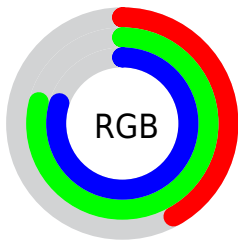
Format	Color
RYB	107, 155, 205
Decimal	7064013
CIELab	75.64, -26.76, -10.63
CIElCh	76, 28.800, 201.671
Yxy	49.3069, 0.2489, 0.3232
Android (android.graphics.Color)	4285254093 (0xFF6BC9CD)
YUV	173.3500, 15.6035, -58.1889
Hunter-Lab	70.2189, -26.3626, -5.9612

Details

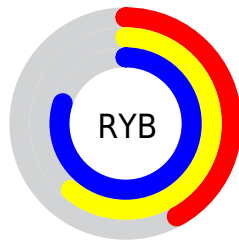
The XYZ color **37.9695, 49.3069, 65.2736** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.5160, 25.4103, 17.0493**, and the grayscale version is **39.8442, 41.9192, 45.6500**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **17.1463, 23.6826, 32.9457** is the 20% darker color. If you saturate the color by 10%, you get **35.5970, 47.7963, 65.1079**, and if you desaturate by 10%, it is **40.9303, 51.1246, 65.4693**.

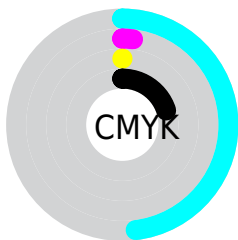
Distribution



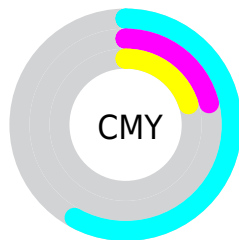
- Red (42%)
- Green (79%)
- Blue (80%)



- Red (42%)
- Yellow (61%)
- Blue (80%)



- Cyan (48%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)



- Cyan (58%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9695, 49.3069, 65.2736 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 37.9695, 49.3069, 65.2736 by changing the saturation by 10% instead.

■ 37.9695, 49.3069,
65.2736

■ 37.9695, 49.3069,
65.2736

328.7722,
383.9493, 462.1076

■ 26.1361, 34.8630,
47.2302

■ 71.3656, 89.1471,
114.0602

■ 17.0587, 23.5574,
32.8620

■ 93.6590, 115.3122,
145.6404

■ 10.3719, 15.0056,
21.7505

■ 120.1698,
146.1531, 182.5700

■ 5.7104, 8.8233,
13.4771

151.2634,
182.0543, 225.2676

■ 2.7088, 4.6261,
7.6233

187.3051,
223.4001, 274.1516

■ 1.0017, 2.0296,
3.7706

228.6602,

■ 0.0000, 0.6246,

270.5749, 329.6405

1.5004

275.6941,
323.9632, 392.1530

■ 0.0000, 0.0000,
0.2182

■ 0.0000, 0.0000,
0.0000

■ 37.9695, 49.3069,
65.2736

■ 37.9695, 49.3069,
65.2736

■ 35.5970, 47.7963,
65.1079

■ 40.9303, 51.1246,
65.4693

■ 33.7663, 46.5655,
64.9669


■ 44.5127, 53.2632,
65.6933


■ 32.4314, 45.5918,
64.8493


■ 48.7529, 55.7425,
65.9483


■ 31.5366, 44.8466,
64.7526


■ 53.6829, 58.5790,
66.2360


 31.0018, 44.2885,
64.6731


 59.3329, 61.7882,
66.5576

 30.9038, 44.1762,
64.6565

 65.7309, 65.3846,
66.9146

 72.9037, 69.3821,
67.3081

 74.7410, 70.6306,
67.4523

 74.9450, 71.0387,
67.5203

Harmonies

Analogous

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



37.4363, 49.3069, 49.5455



37.9695, 49.3069, 65.2736



40.7906, 49.3069, 80.1660

Triad

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



37.9695, 49.3069, 65.2736



55.3746, 49.3069, 74.0291



48.3654, 49.3069, 29.5633

Complementary

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



37.9695, 49.3069, 65.2736



33.5160, 25.4103, 17.0493

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.



53.5137, 49.3069, 33.7934



37.9695, 49.3069, 65.2736



57.7565, 49.3069, 58.0528

Square

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



37.9695, 49.3069, 65.2736



50.7528, 49.3069, 85.8511



57.0509, 49.3069, 43.5594



43.1805, 49.3069, 30.7652

Rectangle

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



37.9695, 49.3069, 65.2736



43.7145, 49.3069, 86.6543



57.0509, 49.3069, 43.5594



50.1628, 49.3069, 30.3630

Sweetspot

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



37.9710, 49.3088, 65.2748



82.6509, 92.9209, 108.1871



30.7248, 47.9211, 22.4596



17.3264, 19.6785, 23.1351



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.



37.9710, 49.3088, 65.2748



58.3343, 78.3074, 106.6480



28.4316, 30.2301, 62.0950



11.5025, 12.6455, 14.4049



19.2561, 27.5361, 40.2564



1.0058, 1.4455, 2.0809

Inverse Universe

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



40.9784, 27.7128, 58.4498



63.8881, 39.1804, 93.8753



40.2758, 38.9300, 19.3026



11.6670, 11.3955, 14.0471



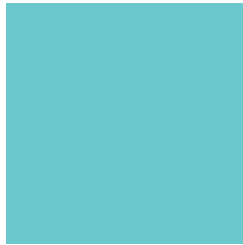
21.9305, 10.5828, 33.6822



1.1377, 0.5485, 1.7707

Previews

White Background



This preview shows how the XYZ color 37.9695, 49.3069, 65.2736 looks on a white background.

Color Contrast Check

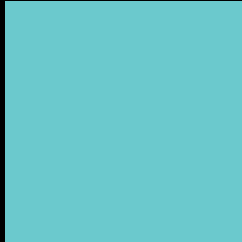
Large Text (above 18pt) WCAG AA × Fail

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 37.9695, 49.3069, 65.2736 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

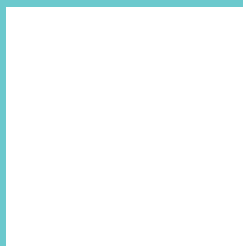
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9695, 49.3069, 65.2736

Background



This preview shows how black text looks on a background with the XYZ color 37.9695, 49.3069, 65.2736.

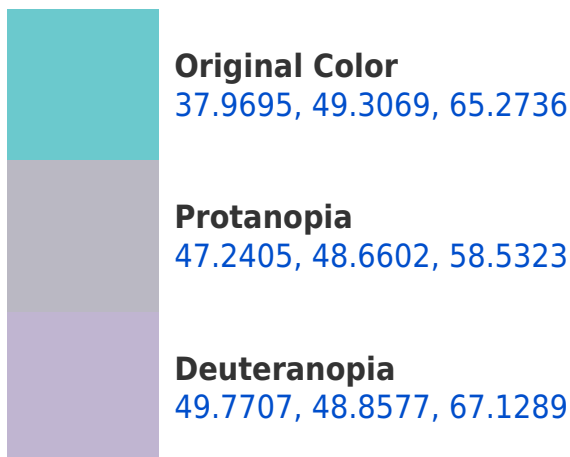


This preview shows how white text looks on a background with the XYZ color 37.9695, 49.3069,

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





Tritanopia

39.1196, 49.0681, 71.6993

Trichromacy



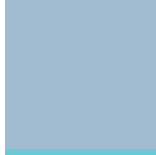
Original Color

37.9695, 49.3069, 65.2736



Protanomaly

42.6269, 48.1185, 61.0740



Deuteranomaly

44.0663, 48.0976, 66.6357



Tritanomaly

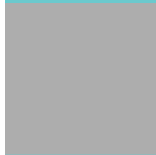
38.7188, 49.2629, 69.0960

Monochromacy



Original Color

37.9695, 49.3069, 65.2736



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

38.0849, 43.7593, 52.3380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9695, 49.3069, 65.2736 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(107, 201, 205)` looks like.

```
.text, #text, p{  
    color:rgb(107, 201, 205)  
}
```

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(107, 201, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 201, 205) }
```

Border

The CSS property to change the border of an element to XYZ 37.9695, 49.3069, 65.2736 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(107, 201, 205) }
```


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

```
.border{ border-color:rgb(107, 201, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 201, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 201, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 201, 205);  
box-shadow:4px 4px 4px 4px rgb(107, 201,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9695, 49.3069, 65.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 201, 205) }
```

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

```
.background{ background-color: rgb(107,  
201, 205) }
```

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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