

Converting Colors

XYZ(29.6472, 37.9685, 62.2660)

Have a look what the booklet for
XYZ(29.6472, 37.9685, 62.2660)
contains.

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Color

**XYZ(29.6472, 37.9685,
62.2660)**

Conversions

Conversions Part 1

Format	Color
Hex	49B3CB
RGB	73, 179, 203
RGB Percent	29%, 70%, 80%
CMY	0.7137, 0.2980, 0.2039
CMYK	0.64, 0.12, 0.00, 0.20
HSL	191°, 56%, 54%
HSV	191°, 64%, 80%
XYZ	29.6472, 37.9685, 62.2660
YIQ	150.0420, -70.8800, -15.0080

Conversions

Conversions Part 2

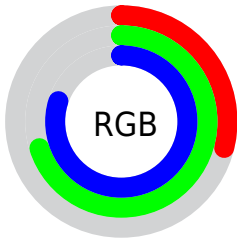
Format	Color
RYB	73, 131, 203
Decimal	4830155
CIELab	68.00, -22.97, -21.18
CIElCh	68, 31.244, 222.690
Yxy	37.9685, 0.2283, 0.2923
Android (android.graphics.Color)	4283020235 (0xFF49B3CB)
YUV	150.0420, 26.1083, -67.5658
Hunter-Lab	61.6186, -21.9489, -16.7799

Details

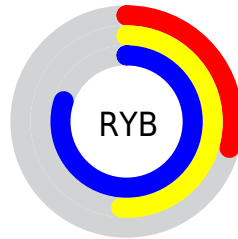
The XYZ color **29.6472, 37.9685, 62.2660** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **30.1068, 21.7280, 8.9115**, and the grayscale version is **28.9228, 30.4290, 33.1372**.

A 20% lighter version of the original color is **57.7500, 71.7876, 105.4204**, and **12.8857, 17.0916, 31.0536** is the 20% darker color. If you saturate the color by 10%, you get **27.6121, 35.8202, 61.9593**, and if you desaturate by 10%, it is **32.2069, 40.4191, 62.6048**.

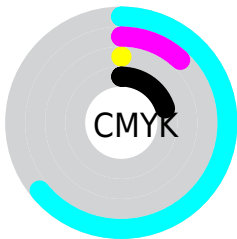
Distribution



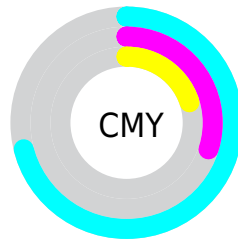
- Red (29%)
- Green (70%)
- Blue (80%)



- Red (29%)
- Yellow (51%)
- Blue (80%)



- Cyan (64%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)



- Cyan (71%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6472, 37.9685, 62.2660 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 29.6472, 37.9685, 62.2660 by changing the saturation by 10% instead.

■ 29.6472, 37.9685,
62.2660

■ 29.6472, 37.9685,
62.2660

292.1959,
337.4848, 450.9351

■ 19.7177, 25.9582,
44.8105

■ 58.4943, 72.0599,
109.6852

■ 12.2971, 16.7924,
30.9663

■ 78.1425, 94.9097,
140.4860

■ 7.0200, 10.0866,
20.3150

■ 101.7611,
122.1416, 176.5723

■ 3.5210, 5.4564,
12.4378

■ 129.7153,
154.1399, 218.3626

■ 1.4349, 2.5175,
6.9165

162.3706,
191.2890, 266.2755

■ 0.2809, 0.8854,
3.3323

200.0922,

■ 0.0000, 0.0000,

233.9732, 320.7295

1.2667

243.2455,
282.5770, 382.1432

■ 0.0000, 0.0000,
0.0343

■ 0.0000, 0.0000,
0.0000

■ 29.6472, 37.9685,
62.2660

■ 29.6472, 37.9685,
62.2660

■ 27.6121, 35.8202,
61.9593

■ 32.2069, 40.4191,
62.6048

■ 26.0470, 33.9435,
61.6796

■ 35.3320, 43.1909,
62.9751

■ 24.8911, 32.3075,
61.4247

■ 39.0629, 46.3059,
63.3797

■ 24.3297, 31.4120,
61.2814

■ 43.4357, 49.7827,
63.8204

■ 48.4832, 53.6386,
64.2986

■ 54.2361, 57.8896,
64.8159

■ 60.7232, 62.5507,
65.3737

■ 67.9716, 67.6362,
65.9732

■ 75.7463, 73.0252,
66.6036

Harmonies

Analogous

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



27.7193, 37.9685, 47.5019



29.6472, 37.9685, 62.2660



33.3789, 37.9685, 72.5083

Triad

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



29.6472, 37.9685, 62.2660



45.7624, 37.9685, 49.8243



34.0742, 37.9685, 20.3468

Complementary

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



29.6472, 37.9685, 62.2660



30.1068, 21.7280, 8.9115

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.



38.9397, 37.9685, 20.6968



29.6472, 37.9685, 62.2660



45.9911, 37.9685, 35.7377

Square

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



29.6472, 37.9685, 62.2660



42.8003, 37.9685, 64.2915



43.3998, 37.9685, 25.7239



30.1168, 37.9685, 24.6282

Rectangle

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



29.6472, 37.9685, 62.2660



36.5282, 37.9685, 74.2415



43.3998, 37.9685, 25.7239



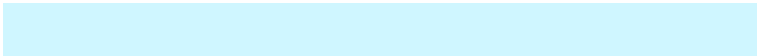
35.6512, 37.9685, 19.9602

Sweetspot

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



29.6484, 37.9699, 62.2669



76.6293, 86.3661, 107.2393



26.2545, 44.9892, 18.5698



15.8895, 18.0921, 22.9046



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.



29.6484, 37.9699, 62.2669



45.0998, 58.6729, 103.5557



19.5644, 17.8018, 58.9056



11.3604, 12.3611, 14.3576



15.5451, 20.1141, 39.0194



0.8488, 1.1314, 2.0286

Inverse Universe

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



35.1488, 20.7173, 44.7956



55.5396, 29.4535, 69.6046



38.7232, 38.9607, 11.7836



11.5953, 11.3668, 13.6692



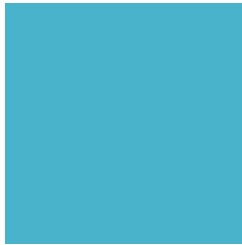
20.0573, 9.8335, 23.8184



1.0584, 0.5168, 1.3534

Previews

White Background



This preview shows how the XYZ color 29.6472, 37.9685, 62.2660 looks on a white background.

Color Contrast Check

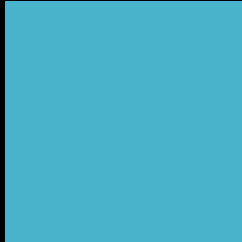
Large Text (above 18pt) WCAG AA × Fail

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 29.6472, 37.9685, 62.2660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

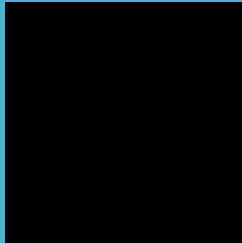
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.6472, 37.9685, 62.2660

Background



This preview shows how black text looks on a background with the XYZ color 29.6472, 37.9685, 62.2660.



This preview shows how white text looks on a background with the XYZ color 29.6472, 37.9685,

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

29.6472, 37.9685, 62.2660

Protanopia

36.9097, 37.3711, 55.1372

Deuteranopia

38.3054, 37.3657, 64.2249



Tritanopia

28.6258, 37.8479, 57.4264

Trichromacy



Original Color

29.6472, 37.9685, 62.2660



Protanomaly

33.0539, 36.9507, 57.6146



Deuteranomaly

34.0453, 37.0507, 63.7496



Tritanomaly

29.0401, 38.0218, 59.2345

Monochromacy



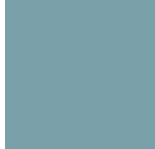
Original Color

29.6472, 37.9685, 62.2660



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.9323, 32.4919, 42.3355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6472, 37.9685, 62.2660 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(73, 179, 203)` looks like.

```
.text, #text, p{  
    color:rgb(73, 179, 203)  
}
```

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(73, 179, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 179, 203) }
```

Border

The CSS property to change the border of an element to XYZ 29.6472, 37.9685, 62.2660 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(73, 179, 203) }
```


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

```
.border{ border-color:rgb(73, 179, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 179, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 179, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 179, 203);  
box-shadow:4px 4px 4px 4px rgb(73, 179,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6472, 37.9685, 62.2660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 179, 203) }
```

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

```
.background{ background-color: rgb(73, 179,  
203) }
```

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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