

# Converting Colors

XYZ(29.3208, 37.1661, 61.4956)

Have a look what the booklet for  
XYZ(29.3208, 37.1661, 61.4956)  
contains.

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# Color

**XYZ(29.3633, 37.2450,  
61.5185)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CB1CA
RGB	76, 177, 202
RGB Percent	30%, 69%, 79%
CMY	0.7019, 0.3059, 0.2078
CMYK	0.62, 0.12, 0.00, 0.21
HSL	192°, 54%, 55%
HSV	192°, 62%, 79%
XYZ	29.3633, 37.2450, 61.5185
YIQ	149.6510, -68.2210, -13.6370

# Conversions

## Conversions Part 2

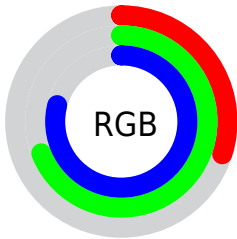
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 132, 202
Decimal	5026250
CIELab	67.46, -21.74, -21.44
CIElCh	67, 30.533, 224.611
Yxy	37.2450, 0.2292, 0.2907
Android (android.graphics.Color)	4283216330 (0xFF4CB1CA)
YUV	149.6510, 25.8081, -64.5919
Hunter-Lab	61.0287, -20.9168, -17.0458

# Details

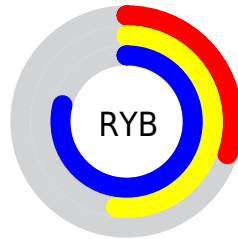
The XYZ color **29.3633, 37.2450, 61.5185** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **30.3164, 22.3871, 9.5621**, and the grayscale version is **28.7579, 30.2555, 32.9483**.

A 20% lighter version of the original color is **57.5054, 70.8162, 105.2458**, and **12.5529, 16.5534, 30.5505** is the 20% darker color. If you saturate the color by 10%, you get **27.2235, 34.9846, 61.1957**, and if you desaturate by 10%, it is **32.0325, 39.8144, 61.8745**.

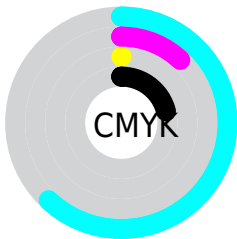
# Distribution



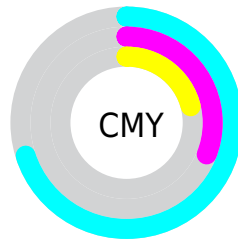
- Red (30%)
- Green (69%)
- Blue (79%)



- Red (30%)
- Yellow (52%)
- Blue (79%)



- Cyan (62%)
- Magenta (12%)
- Yellow (0%)
- Black (21%)



- Cyan (70%)
- Magenta (31%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3633, 37.2450, 61.5185 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 29.3633, 37.2450, 61.5185 by changing the saturation by 10% instead.



■ 29.3633, 37.2450,  
61.5185

■ 29.3633, 37.2450,  
61.5185

290.8886,  
334.3700, 448.1316

■ 19.5015, 25.3972,  
44.2105

■ 58.0474, 70.9494,  
108.5942

■ 12.1393, 16.3733,  
30.4976

■ 77.6003, 93.5749,  
139.1989

■ 6.9115, 9.7887,  
19.9613

■ 101.1144,  
120.5617, 175.0729

■ 3.4527, 5.2591,  
12.1831

■ 128.9549,  
152.2943, 216.6348

■ 1.3974, 2.4001,  
6.7445

161.4873,  
189.1570, 264.3031

■ 0.2544, 0.8259,  
3.2268

199.0767,

■ 0.0000, 0.0000,

231.5343, 318.4963

1.2116

242.0888,  
279.8105, 379.6329

■ 0.0000, 0.0000,  
0.0000

■ 29.3633, 37.2450,  
61.5185

■ 29.3633, 37.2450,  
61.5185

■ 27.2235, 34.9846,  
61.1957

■ 32.0325, 39.8144,  
61.8745

■ 25.5602, 33.0033,  
60.9009

■ 35.2703, 42.7109,  
62.2629

■ 24.3158, 31.2719,  
60.6323

■ 39.1164, 45.9561,  
62.6866

■ 23.5674, 30.0774,  
60.4412

■ 43.6055, 49.5681,  
63.1472

■ 48.7699, 53.5640,  
63.6462

■ 54.6395, 57.9594,  
64.1853

■ 61.2427, 62.7690,  
64.7656

■ 68.6059, 68.0070,  
65.3885

■ 75.7136, 73.1500,  
66.0066

# Harmonies

## Analogous

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



27.3747, 37.2450, 47.4199



29.3633, 37.2450, 61.5185



33.0617, 37.2450, 70.8816

# Triad

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



29.3633, 37.2450, 61.5185



44.8214, 37.2450, 47.7971



33.1749, 37.2450, 20.3515

# Complementary

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



29.3633, 37.2450, 61.5185



30.3164, 22.3871, 9.5621

# 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.



37.8466, 37.2450, 20.4089



29.3633, 37.2450, 61.5185



44.8585, 37.2450, 34.3841

# Square

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



29.3633, 37.2450, 61.5185



42.1153, 37.2450, 61.8467



42.2127, 37.2450, 24.9915



29.4399, 37.2450, 24.8123



# Rectangle

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



29.3633, 37.2450, 61.5185



36.1298, 37.2450, 72.1105



42.2127, 37.2450, 24.9915



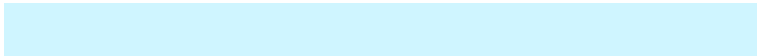
34.6806, 37.2450, 19.8807

# Sweetspot

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



29.3645, 37.2464, 61.5194



76.4262, 85.9599, 107.1716



26.3591, 44.6813, 19.0661



15.8398, 17.9928, 22.8881



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.



29.3645, 37.2464, 61.5194



44.9749, 57.9551, 103.4238



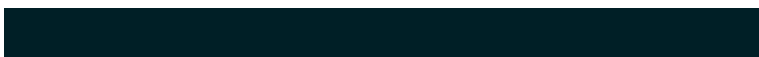
19.8763, 18.2701, 58.3567



11.3468, 12.3341, 14.3531



15.2288, 19.4817, 38.9140



0.8351, 1.1039, 2.0240



# Inverse Universe

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



34.8784, 20.9010, 43.7923



55.5907, 29.9112, 68.5258



38.6007, 38.9556, 12.3235



11.5884, 11.3641, 13.6333



19.8977, 9.7697, 22.9778



1.0515, 0.5140, 1.3168



# Previews

## White Background



This preview shows how the XYZ color 29.3633, 37.2450, 61.5185 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

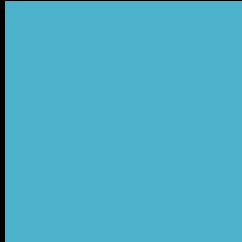
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.3633, 37.2450, 61.5185 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 29.3633, 37.2450, 61.5185**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.3633, 37.2450, 61.5185.



This preview shows how white text looks on a background with the XYZ color 29.3633, 37.2450,



# 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

29.3633, 37.2450, 61.5185

### Protanopia

36.3394, 36.8145, 55.0598

### Deuteranopia

37.6160, 36.7659, 63.5065



## Tritanopia

28.4182, 37.4682, 56.1864

# Trichromacy



**Original Color**

29.3633, 37.2450, 61.5185

**Protanomaly**

32.6846, 36.2121, 57.4915

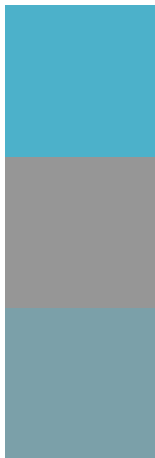
**Deuteranomaly**

33.5578, 36.2694, 62.9896

**Tritanomaly**

28.6319, 37.2428, 57.9041

# Monochromacy



**Original Color**

29.3633, 37.2450, 61.5185

**Achromatopsia**

28.9890, 30.4987, 33.2131

**Achromatomaly**

27.9006, 32.2171, 42.2841

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.3633, 37.2450, 61.5185 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(76, 177, 202)` looks like.

```
.text, #text, p{  
    color:rgb(76, 177, 202)  
}
```

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(76, 177, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 177, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 29.3633, 37.2450, 61.5185 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(76, 177, 202) }
```



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

```
.border{ border-color:rgb(76, 177, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 177, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 177, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 177, 202);  
box-shadow:4px 4px 4px 4px rgb(76, 177,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.3633, 37.2450, 61.5185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 177, 202) }
```

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

```
.background{ background-color: rgb(76, 177,  
202) }
```

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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