

Converting Colors

XYZ(30.3933, 37.3424, 71.0819)

Have a look what the booklet for
XYZ(30.3933, 37.3424, 71.0819)
contains.

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Color

**XYZ(30.3645, 37.2537,
71.2360)**

Conversions

Conversions Part 1

Format	Color
Hex	43B0D9
RGB	67, 176, 217
RGB Percent	26%, 69%, 85%
CMY	0.7372, 0.3098, 0.1490
CMYK	0.69, 0.19, 0.00, 0.15
HSL	196°, 66%, 56%
HSV	196°, 69%, 85%
XYZ	30.3645, 37.2537, 71.2360
YIQ	148.0830, -78.1250, -10.3570

Conversions

Conversions Part 2

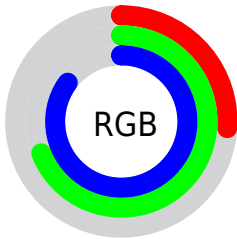
Format	Color
R _Y B	67, 130, 217
Decimal	4436185
CIE Lab	67.47, -17.97, -29.72
CIE LCh	67, 34.724, 238.843
Yxy	37.2537, 0.2187, 0.2683
Android (android.graphics.Color)	4282626265 (0xFF43B0D9)
YUV	148.0830, 33.9761, -71.1098
Hunter-Lab	61.0358, -18.0113, -26.4734

Details

The XYZ color **30.3645, 37.2537, 71.2360** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **34.9926, 25.8843, 8.4636**, and the grayscale version is **28.0707, 29.5325, 32.1609**.

A 20% lighter version of the original color is **56.4223, 69.8388, 105.1142**, and **13.6045, 16.7746, 36.7032** is the 20% darker color. If you saturate the color by 10%, you get **28.0084, 34.3507, 70.8006**, and if you desaturate by 10%, it is **33.3310, 40.5482, 71.7163**.

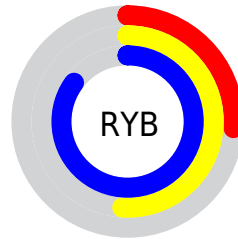
Distribution



Red (26%)

Green (69%)

Blue (85%)



Red (26%)

Yellow (51%)

Blue (85%)

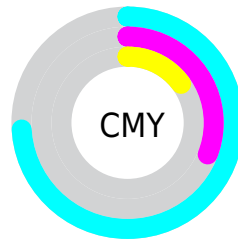


Cyan (69%)

Magenta (19%)

Yellow (0%)

Black (15%)



Cyan (74%)

Magenta (31%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3645, 37.2537, 71.2360 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 30.3645, 37.2537, 71.2360 by changing the saturation by 10% instead.

■ 30.3645, 37.2537,
71.2360

■ 30.3645, 37.2537,
71.2360

295.4792,
334.4076, 483.7839

■ 20.2649, 25.4040,
52.0518

■ 59.6208, 70.9628,
122.6673

■ 12.6971, 16.3783,
36.6638

■ 79.5082, 93.5910,
155.7515

■ 7.2959, 9.7922,
24.6536

■ 103.3889,
120.5808, 194.3060

■ 3.6958, 5.2614,
15.6025

■ 131.6282,
152.3165, 238.7496

■ 1.5315, 2.4015,
9.0920

164.5916,
189.1827, 289.5006

■ 0.3471, 0.8266,
4.7036

202.6443,

■ 0.0000, 0.0000,

231.5637, 346.9776

2.0188

246.1517,
279.8439, 411.5992

■ 0.0000, 0.0000,
0.5668

■ 0.0000, 0.0000,
0.0000

■ 30.3645, 37.2537,
71.2360

■ 30.3645, 37.2537,
71.2360

■ 28.0084, 34.3507,
70.8006

■ 33.3310, 40.5482,
71.7163

■ 26.1924, 31.8000,
70.4040

■ 36.9606, 44.2602,
72.2415

■ 24.8107, 29.5468,
70.0418

■ 41.3042, 48.4175,
72.8150

■ 24.6978, 29.3564,
70.0111

■ 46.4064, 53.0442,
73.4391

■ 52.3082, 58.1621,
74.1159

■ 59.0473, 63.7917,
74.8473

■ 66.6591, 69.9519,
75.6352

■ 75.1769, 76.6609,
76.4812

■ 81.8909, 82.5225,
77.2587

Harmonies

Analogous

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



27.1657, 37.2537, 56.4409



30.3645, 37.2537, 71.2360



35.2020, 37.2537, 77.5715

Triad

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



30.3645, 37.2537, 71.2360



46.6801, 37.2537, 41.1585



30.6892, 37.2537, 19.8960

Complementary

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



30.3645, 37.2537, 71.2360



34.9926, 25.8843, 8.4636

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.



35.6159, 37.2537, 17.7188



30.3645, 37.2537, 71.2360



45.1699, 37.2537, 27.9827

Square

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



30.3645, 37.2537, 71.2360



44.9269, 37.2537, 57.7301



40.9823, 37.2537, 20.2670



27.3395, 37.2537, 27.1889

Rectangle

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



30.3645, 37.2537, 71.2360



38.8242, 37.2537, 75.1811



40.9823, 37.2537, 20.2670



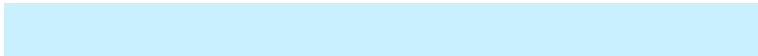
32.1993, 37.2537, 18.6368

Sweetspot

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



30.3658, 37.2550, 71.2369



73.5255, 82.2338, 106.6052



29.7828, 51.8816, 22.3565



15.2195, 17.1549, 22.7590



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.



30.3658, 37.2550, 71.2369



39.0607, 47.7405, 101.7639



19.5921, 15.7078, 67.6457



13.1283, 14.1963, 16.7004



15.0428, 17.9550, 42.4112



1.0449, 1.3039, 2.7711

Inverse Universe

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



38.4601, 21.9021, 43.2759



52.2116, 27.0513, 55.3813



46.3577, 48.6145, 12.2520



13.4546, 13.2109, 15.6552



21.0882, 10.4363, 20.6424



1.4017, 0.6903, 1.5243

Previews

White Background



This preview shows how the XYZ color 30.3645, 37.2537, 71.2360 looks on a white background.

Color Contrast Check

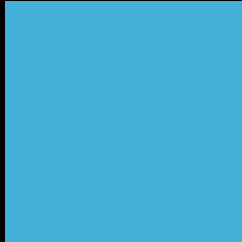
Large Text (above 18pt) WCAG AA × Fail

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 30.3645, 37.2537, 71.2360 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 30.3645, 37.2537, 71.2360

Background



This preview shows how black text looks on a background with the XYZ color 30.3645, 37.2537, 71.2360.

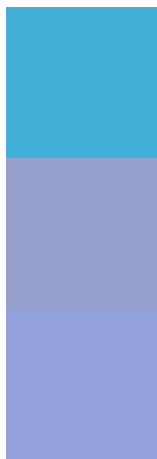


This preview shows how white text looks on a background with the XYZ color 30.3645, 37.2537,

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

30.3645, 37.2537, 71.2360

Protanopia

36.8343, 36.6214, 63.5198

Deuteranopia

37.6958, 36.8601, 72.8381



Tritanopia

27.6398, 37.3395, 57.3802

Trichromacy



Original Color

30.3645, 37.2537, 71.2360

Protanomaly

33.1542, 35.9905, 66.1722

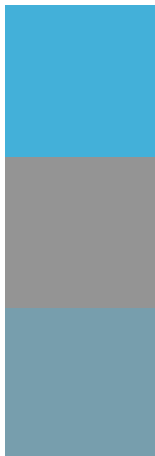
Deuteranomaly

33.8936, 36.2385, 72.2262

Tritanomaly

28.6445, 37.4515, 62.2191

Monochromacy



Original Color

30.3645, 37.2537, 71.2360

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.3774, 31.3928, 44.1516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3645, 37.2537, 71.2360 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(67, 176, 217)` looks like.

```
.text, #text, p{  
    color:rgb(67, 176, 217)  
}
```

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(67, 176, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 176, 217) }
```

Border

The CSS property to change the border of an element to XYZ 30.3645, 37.2537, 71.2360 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(67, 176, 217) }
```


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

```
.border{ border-color:rgb(67, 176, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 176, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 176, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 176, 217);  
box-shadow:4px 4px 4px 4px rgb(67, 176,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3645, 37.2537, 71.2360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 176, 217) }
```

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

```
.background{ background-color: rgb(67, 176,  
217) }
```

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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