

Converting Colors

XYZ(31.9800, 36.9566, 65.8343)

Have a look what the booklet for
XYZ(31.9800, 36.9566, 65.8343)
contains.

XYZ(32.0868, 37.1118, 65.7937)	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(32.0868, 37.1118,
65.7937)**

Conversions

Conversions Part 1

Format	Color
Hex	69ACD1
RGB	105, 172, 209
RGB Percent	41%, 67%, 82%
CMY	0.5882, 0.3255, 0.1804
CMYK	0.50, 0.18, 0.00, 0.18
HSL	201°, 53%, 62%
HSV	201°, 50%, 82%
XYZ	32.0868, 37.1118, 65.7937
YIQ	156.1850, -51.8090, -2.6970

Conversions

Conversions Part 2

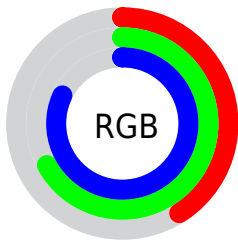
Format	Color
R _{YB}	105, 146, 209
Decimal	6925521
CIE _{Lab}	67.36, -11.16, -25.36
CIE _{LCh}	67, 27.708, 246.239
Y _{xy}	37.1118, 0.2377, 0.2749
Android (android.graphics.Color)	4285115601 (0xFF69ACD1)
YUV	156.1850, 26.0378, -44.8892
Hunter-Lab	60.9195, -12.5916, -21.3903

Details

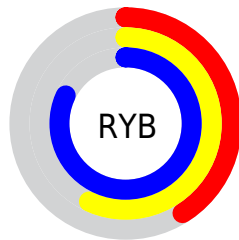
The XYZ color **32.0868, 37.1118, 65.7937** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.5181, 33.9221, 17.8832**, and the grayscale version is **31.5875, 33.2325, 36.1902**.

A 20% lighter version of the original color is **60.4194, 69.8396, 104.9037**, and **13.6759, 16.3469, 33.0063** is the 20% darker color. If you saturate the color by 10%, you get **28.5515, 33.2476, 65.2349**, and if you desaturate by 10%, it is **36.3069, 41.4481, 66.4089**.

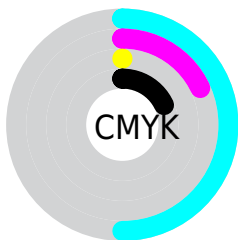
Distribution



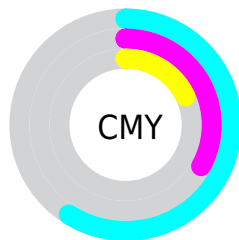
- Red (41%)
- Green (67%)
- Blue (82%)



- Red (41%)
- Yellow (57%)
- Blue (82%)



- Cyan (50%)
- Magenta (18%)
- Yellow (0%)
- Black (18%)



- Cyan (59%)
- Magenta (33%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0868, 37.1118, 65.7937 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 32.0868, 37.1118, 65.7937 by changing the saturation by 10% instead.

■ 32.0868, 37.1118,
65.7937

■ 32.0868, 37.1118,
65.7937

303.2527,
333.7943, 464.0228

■ 21.5837, 25.2941,
47.6495

■ 62.3114, 70.7447,
114.8144

■ 13.6662, 16.2963,
33.1914

■ 82.7636, 93.3287,
146.5279

■ 7.9690, 9.7341,
22.0008

■ 107.2629,
120.2701, 183.6017

■ 4.1268, 5.2230,
13.6592

■ 136.1746,
151.9535, 226.4543

■ 1.7741, 2.3787,
7.7480

169.8641,
188.7633, 275.5041

■ 0.5020, 0.8149,
3.8486

208.6967,

■ 0.0000, 0.0000,

231.0837, 331.1698

1.5427

253.0378,
279.2993, 393.8698

■ 0.0000, 0.0000,
0.2494

■ 0.0000, 0.0000,
0.0000

■ 32.0868, 37.1118,
65.7937

■ 32.0868, 37.1118,
65.7937

■ 28.5515, 33.2476,
65.2349

■ 36.3069, 41.4481,
66.4089

■ 25.6510, 29.8257,
64.7272

■ 41.2499, 46.2756,
67.0802

■ 23.3341, 26.8182,
64.2688

■ 46.9550, 51.6173,
67.8106

■ 21.5386, 24.1912,
63.8564

■ 53.4577, 57.4932,
68.6020

■ 20.1547, 21.8861,
63.4844

■ 60.7909, 63.9219,
69.4564

■ 20.1235, 21.8330,
63.4758

■ 68.9858, 70.9213,
70.3755

■ 78.0717, 78.5081,
71.3610

■ 81.4610, 83.2880,
72.1050

■ 83.5924, 87.5508,
72.8154

Harmonies

Analogous

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



29.0928, 37.1118, 55.8582



32.0868, 37.1118, 65.7937



36.1679, 37.1118, 68.3770

Triad

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



32.0868, 37.1118, 65.7937



44.0233, 37.1118, 37.9215



30.6663, 37.1118, 24.3379

Complementary

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



32.0868, 37.1118, 65.7937



38.5181, 33.9221, 17.8832

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.



34.3943, 37.1118, 21.3443



32.0868, 37.1118, 65.7937



42.2732, 37.1118, 28.1077

Square

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



32.0868, 37.1118, 65.7937



43.2817, 37.1118, 50.5753



38.6648, 37.1118, 22.5712



28.3198, 37.1118, 31.7045

Rectangle

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



32.0868, 37.1118, 65.7937



39.0058, 37.1118, 65.2044



38.6648, 37.1118, 22.5712



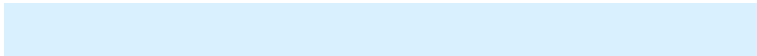
31.7875, 37.1118, 22.8621

Sweetspot

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



32.0880, 37.1132, 65.7946



78.1625, 85.0764, 106.9095



33.4647, 50.5400, 33.3482



16.2732, 17.7951, 22.8270



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.



32.0880, 37.1132, 65.7946



44.3157, 51.6172, 102.2352



24.1242, 21.1856, 63.1400



11.7898, 12.6699, 15.0678



12.5034, 13.6534, 39.1689



0.7725, 0.9102, 2.2145

Inverse Universe

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



38.7934, 26.6381, 42.1283



56.4833, 34.9595, 58.7635



48.0036, 52.8931, 21.0450



12.1248, 11.9347, 13.9330



18.9419, 9.4496, 15.1320



1.0961, 0.5432, 1.0411

Previews

White Background



This preview shows how the XYZ color 32.0868, 37.1118, 65.7937 looks on a white background.

Color Contrast Check

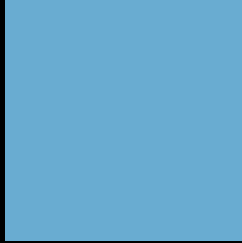
Large Text (above 18pt) WCAG AA × Fail

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 32.0868, 37.1118, 65.7937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

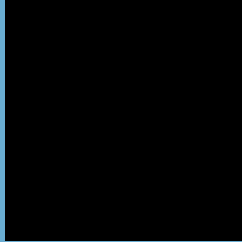
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.0868, 37.1118, 65.7937

Background



This preview shows how black text looks on a background with the XYZ color 32.0868, 37.1118, 65.7937.



This preview shows how white text looks on a background with the XYZ color 32.0868, 37.1118,

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

32.0868, 37.1118, 65.7937

Protanopia

36.9074, 36.9750, 61.0688

Deuteranopia

37.5913, 36.6674, 67.3836



Tritanopia

29.7698, 37.0303, 54.2937

Trichromacy



Original Color

32.0868, 37.1118, 65.7937

Protanomaly

34.8090, 36.9145, 63.0482

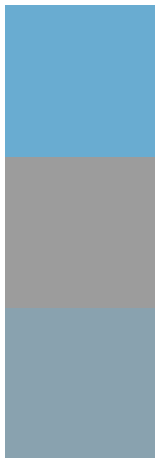
Deuteranomaly

35.1867, 36.4883, 66.8164

Tritanomaly

30.5809, 37.0700, 58.3668

Monochromacy



Original Color

32.0868, 37.1118, 65.7937

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.9747, 34.2542, 45.5366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0868, 37.1118, 65.7937 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(105, 172, 209)` looks like.

```
.text, #text, p{  
    color:rgb(105, 172, 209)  
}
```

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(105, 172, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 172, 209) }
```

Border

The CSS property to change the border of an element to XYZ 32.0868, 37.1118, 65.7937 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(105, 172, 209) }
```


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

```
.border{ border-color:rgb(105, 172, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 172, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 172, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 172, 209);  
box-shadow:4px 4px 4px 4px rgb(105, 172,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0868, 37.1118, 65.7937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 172, 209) }
```

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

```
.background{ background-color: rgb(105,  
172, 209) }
```

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