

Converting Colors

XYZ(34.1999, 37.5182, 65.4173)

Have a look what the booklet for
XYZ(34.1999, 37.5182, 65.4173)
contains.

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Color

**XYZ(34.2173, 37.6635,
65.1408)**

Conversions

Conversions Part 1

Format	Color
Hex	7DAAD0
RGB	125, 170, 208
RGB Percent	49%, 67%, 82%
CMY	0.5098, 0.3333, 0.1843
CMYK	0.40, 0.18, 0.00, 0.18
HSL	207°, 47%, 65%
HSV	207°, 40%, 82%
XYZ	34.2173, 37.6635, 65.1408
YIQ	160.8770, -39.0180, 2.2780

Conversions

Conversions Part 2

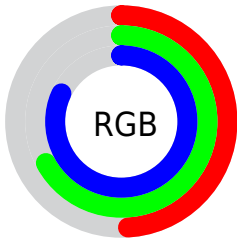
Format	Color
RYB	125, 154, 208
Decimal	8235728
CIELab	67.77, -5.40, -24.09
CIELCh	68, 24.686, 257.377
Yxy	37.6635, 0.2497, 0.2749
Android (android.graphics.Color)	4286425808 (0xFF7DAAD0)
YUV	160.8770, 23.2316, -31.4641
Hunter-Lab	61.3706, -7.8755, -19.9730

Details

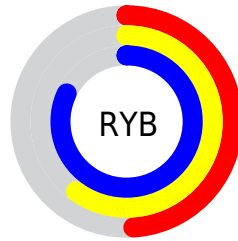
The XYZ color **34.2173, 37.6635, 65.1408** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.8120, 41.0856, 25.0770**, and the grayscale version is **33.7287, 35.4853, 38.6434**.

A 20% lighter version of the original color is **63.7976, 70.7737, 104.9059**, and **14.9097, 16.6296, 32.9958** is the 20% darker color. If you saturate the color by 10%, you get **29.7721, 32.8179, 64.4405**, and if you desaturate by 10%, it is **39.4301, 43.0985, 65.9158**.

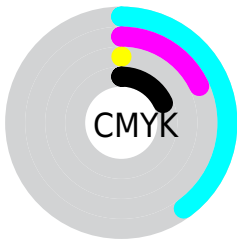
Distribution



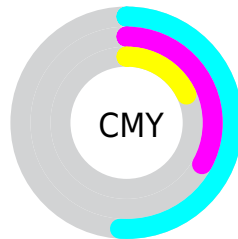
- Red (49%)
- Green (67%)
- Blue (82%)



- Red (49%)
- Yellow (60%)
- Blue (82%)



- Cyan (40%)
- Magenta (18%)
- Yellow (0%)
- Black (18%)



- Cyan (51%)
- Magenta (33%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2173, 37.6635, 65.1408 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 34.2173, 37.6635, 65.1408 by changing the saturation by 10% instead.

■ 34.2173, 37.6635,
65.1408

■ 34.2173, 37.6635,
65.1408

312.6688,
336.1743, 461.6178

■ 23.2243, 25.7216,
47.1232

■ 65.6135, 71.5921,
113.8675

■ 14.8808, 16.6155,
32.7780

■ 86.7474, 94.3476,
145.4136

■ 8.8215, 9.9607,
21.6867

■ 111.9922,
121.4764, 182.3064

■ 4.6811, 5.3729,
13.4308

141.7134,
153.3629, 224.9642

■ 2.0942, 2.4677,
7.5916

176.2763,
190.3916, 273.8058

■ 0.6861, 0.8604,
3.7508

216.0463,

■ 0.0000, 0.0000,

232.9468, 329.2495

1.4896

261.3887,
281.4129, 391.7140

■ 0.0000, 0.0000,
0.2102

■ 0.0000, 0.0000,
0.0000

■ 34.2173, 37.6635,
65.1408

■ 34.2173, 37.6635,
65.1408

■ 29.7721, 32.8179,
64.4405

■ 39.4301, 43.0985,
65.9158

■ 26.0480, 28.5311,
63.8093

■ 45.4460, 49.1425,
66.7653

■ 22.9991, 24.7762,
63.2452

■ 52.3026, 55.8196,
67.6928

■ 20.5715, 21.5210,
62.7449

■ 60.0338, 63.1511,
68.7004

■ 18.7021, 18.7285,
62.3044

■ 68.6717, 71.1569,
69.7904

■ 17.2781, 16.3360,
61.9176

■ 78.2465, 79.8562,
70.9649

■ 17.2653, 16.3140,
61.9141

■ 82.8116, 86.1868,
71.9462

■ 85.6372, 91.8379,
72.8881

■ 88.3853, 97.3341,
73.8041

Harmonies

Analogous

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



31.0527, 37.6635, 58.5090



34.2173, 37.6635, 65.1408



38.0358, 37.6635, 64.5283

Triad

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



34.2173, 37.6635, 65.1408



43.2722, 37.6635, 35.0444



30.6627, 37.6635, 28.3543

Complementary

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



34.2173, 37.6635, 65.1408



42.8120, 41.0856, 25.0770

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.



33.6498, 37.6635, 24.0368



34.2173, 37.6635, 65.1408



41.0037, 37.6635, 27.4011

Square

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



34.2173, 37.6635, 65.1408



43.4513, 37.6635, 45.7783



37.4267, 37.6635, 23.7221



29.1007, 37.6635, 36.5833

Rectangle

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



34.2173, 37.6635, 65.1408



40.4426, 37.6635, 60.0911



37.4267, 37.6635, 23.7221



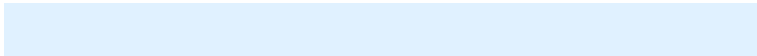
31.5234, 37.6635, 26.4662

Sweetspot

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



34.2185, 37.6649, 65.1417



80.3672, 86.0364, 106.9786



37.5670, 52.0936, 42.4219



16.8863, 18.1098, 22.8555



0.0000, 0.0000, 0.0000



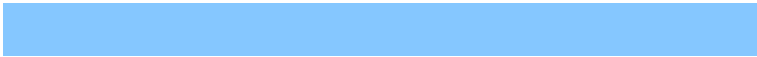
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.2185, 37.6649, 65.1417



48.0747, 53.0039, 102.3047



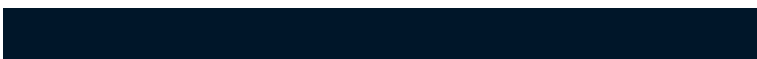
27.7137, 24.6552, 62.9734



11.6871, 12.4644, 15.0336



10.8583, 10.3632, 38.6205



0.6860, 0.7372, 2.1857

Inverse Universe

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



40.6027, 30.9805, 41.8716



59.8774, 42.0475, 58.9704



51.2721, 58.0058, 27.8971



12.0730, 11.9139, 13.6600



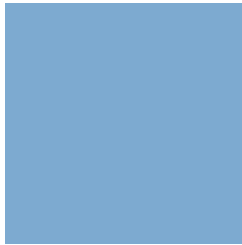
18.1115, 9.1174, 10.7592



1.0525, 0.5257, 0.8112

Previews

White Background



This preview shows how the XYZ color 34.2173, 37.6635, 65.1408 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 34.2173, 37.6635, 65.1408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

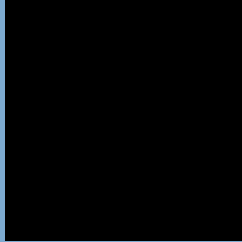
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.2173, 37.6635, 65.1408

Background



This preview shows how black text looks on a background with the XYZ color 34.2173, 37.6635, 65.1408.

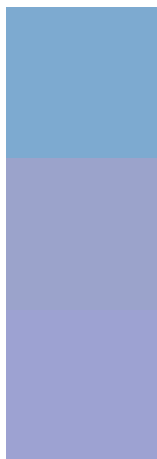


This preview shows how white text looks on a background with the XYZ color 34.2173, 37.6635,

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

34.2173, 37.6635, 65.1408

Protanopia

37.3943, 37.4747, 61.7624

Deuteranopia

38.4578, 37.6619, 66.2153



Tritanopia

31.9589, 37.8960, 53.2072

Trichromacy



Original Color

34.2173, 37.6635, 65.1408

Protanomaly

36.1573, 37.6095, 63.1113

Deuteranomaly

36.6408, 37.5335, 65.6351

Tritanomaly

32.8199, 37.9648, 57.2279

Monochromacy



Original Color

34.2173, 37.6635, 65.1408

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.5241, 36.0612, 47.3131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2173, 37.6635, 65.1408 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(125, 170, 208)` looks like.

```
.text, #text, p{  
    color:rgb(125, 170, 208)  
}
```

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(125, 170, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 170, 208) }
```

Border

The CSS property to change the border of an element to XYZ 34.2173, 37.6635, 65.1408 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(125, 170, 208) }
```


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

```
.border{ border-color:rgb(125, 170, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 170, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 170, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 170, 208);  
box-shadow:4px 4px 4px 4px rgb(125, 170,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2173, 37.6635, 65.1408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 170, 208) }
```

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

```
.background{ background-color: rgb(125,  
170, 208) }
```

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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