

Converting Colors

XYZ(35.1991, 37.9346, 63.2245)

Have a look what the booklet for
XYZ(35.1991, 37.9346, 63.2245)
contains.

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Color

**XYZ(35.1991, 37.9346,
63.2245)**

Conversions

Conversions Part 1

Format	Color
Hex	87A9CD
RGB	135, 169, 205
RGB Percent	53%, 66%, 80%
CMY	0.4706, 0.3372, 0.1961
CMYK	0.34, 0.18, 0.00, 0.20
HSL	211°, 41%, 67%
HSV	211°, 34%, 80%
XYZ	35.1991, 37.9346, 63.2245
YIQ	162.9380, -31.8200, 3.9880

Conversions

Conversions Part 2

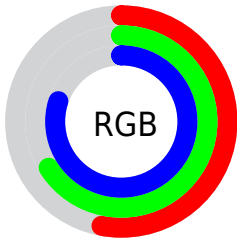
Format	Color
R_{YB}	135, 158, 205
Decimal	8890829
CIE _{Lab}	67.97, -2.89, -22.07
CIE _{LCh}	68, 22.263, 262.543
Yxy	37.9346, 0.2581, 0.2782
Android (android.graphics.Color)	4287080909 (0xFF87A9CD)
YUV	162.9380, 20.7366, -24.5016
Hunter-Lab	61.5911, -5.7722, -17.7487

Details

The XYZ color **35.1991, 37.9346, 63.2245** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.1137, 43.8549, 29.0627**, and the grayscale version is **34.7005, 36.5077, 39.7568**.

A 20% lighter version of the original color is **65.9409, 71.4785, 104.9290**, and **15.4269, 16.7508, 31.6983** is the 20% darker color. If you saturate the color by 10%, you get **30.3302, 32.6302, 62.4579**, and if you desaturate by 10%, it is **40.8637, 43.8857, 64.0753**.

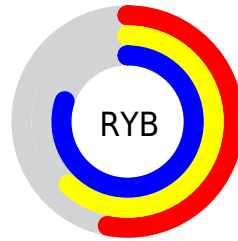
Distribution



Red (53%)

Green (66%)

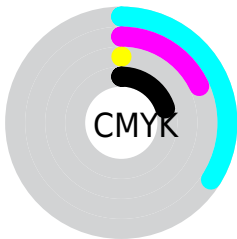
Blue (80%)



Red (53%)

Yellow (62%)

Blue (80%)

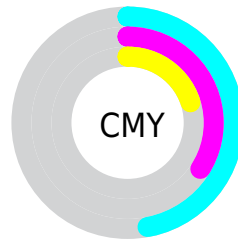


Cyan (34%)

Magenta (18%)

Yellow (0%)

Black (20%)



Cyan (47%)

Magenta (34%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1991, 37.9346, 63.2245 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 35.1991, 37.9346, 63.2245 by changing the saturation by 10% instead.

■ 35.1991, 37.9346,
63.2245

■ 35.1991, 37.9346,
63.2245

316.9389,
337.3393, 454.5141

■ 23.9835, 25.9319,
45.5807

■ 67.1261, 72.0079,
111.0820

■ 15.4461, 16.7727,
31.5688

■ 88.5682, 94.8473,
142.1328

■ 9.2214, 10.0726,
20.7703

■ 114.1499,
122.0677, 178.4897

■ 4.9441, 5.4471,
12.7666

144.2364,
154.0536, 220.5712

■ 2.2489, 2.5119,
7.1392

179.1933,
191.1893, 268.7959

■ 0.7683, 0.8826,
3.4695

219.3857,

■ 0.0000, 0.0000,

233.8592, 323.5822

1.3391

265.1792,
282.4478, 385.3488

■ 0.0000, 0.0000,
0.0935

■ 0.0000, 0.0000,
0.0000

■ 35.1991, 37.9346,
63.2245

■ 35.1991, 37.9346,
63.2245

■ 30.3302, 32.6302,
62.4579

■ 40.8637, 43.8857,
64.0753

■ 26.2130, 27.9417,
61.7700

■ 47.3575, 50.5035,
65.0104

■ 22.8046, 23.8422,
61.1583

■ 54.7165, 57.8127,
66.0333

■ 20.0557, 20.3003,
60.6195

■ 62.9734, 65.8350,
67.1466

■ 17.9098, 17.2807,
60.1498

■ 72.1591, 74.5912,
68.3526

■ 16.2992, 14.7421,
59.7447

■ 81.1891, 83.5269,
69.6014

■ 15.5360, 13.4408,
59.5337

■ 84.2508, 89.6503,
70.6220

■ 87.4936, 96.1359,
71.7029

■ 88.0196, 97.1878,
71.8782

Harmonies

Analogous

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



32.1589, 37.9346, 58.3512



35.1991, 37.9346, 63.2245



38.6670, 37.9346, 61.5204

Triad

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



35.1991, 37.9346, 63.2245



42.5562, 37.9346, 34.4216



31.0280, 37.9346, 30.7661

Complementary

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



35.1991, 37.9346, 63.2245



44.1137, 43.8549, 29.0627

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.



33.5647, 37.9346, 26.0870



35.1991, 37.9346, 63.2245



40.2552, 37.9346, 27.9500

Square

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



35.1991, 37.9346, 63.2245



43.0631, 37.9346, 43.8269



36.9261, 37.9346, 25.1455



29.8529, 37.9346, 38.8804

Rectangle

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



35.1991, 37.9346, 63.2245



40.7439, 37.9346, 56.9935



36.9261, 37.9346, 25.1455



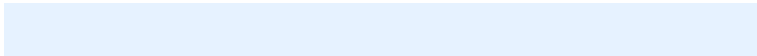
31.7417, 37.9346, 28.7961

Sweetspot

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



35.2003, 37.9361, 63.2254



82.2411, 87.3968, 107.1424



39.0797, 51.7167, 45.9539



17.2433, 18.3478, 22.8826



0.0000, 0.0000, 0.0000



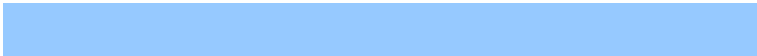
20.3446, 21.4041, 23.3091

Same Dimension

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



35.2003, 37.9361, 63.2254



51.6516, 55.6287, 102.6228



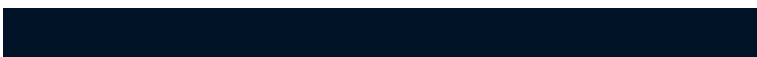
29.6762, 26.8879, 61.3840



11.0440, 11.7284, 14.2521



9.7661, 8.5562, 37.0931



0.5797, 0.5932, 1.9389

Inverse Universe

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



41.0033, 33.1728, 41.7795



62.7883, 47.4446, 61.2504



51.3821, 58.3918, 31.4855



11.4356, 11.3030, 12.8283



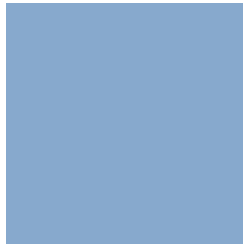
17.1404, 8.6667, 8.4579



0.9226, 0.4624, 0.6380

Previews

White Background



This preview shows how the XYZ color 35.1991, 37.9346, 63.2245 looks on a white background.

Color Contrast Check

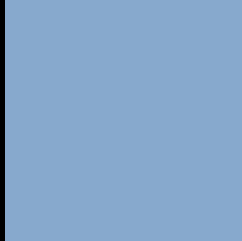
Large Text (above 18pt) WCAG AA × Fail

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 35.1991, 37.9346, 63.2245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

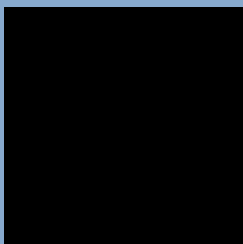
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

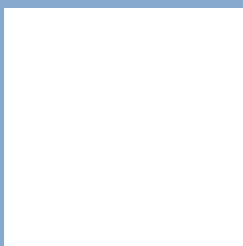
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.1991, 37.9346, 63.2245

Background



This preview shows how black text looks on a background with the XYZ color 35.1991, 37.9346, 63.2245.

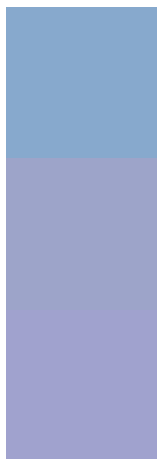


This preview shows how white text looks on a background with the XYZ color 35.1991, 37.9346,

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

35.1991, 37.9346, 63.2245

Protanopia

37.7227, 37.9361, 60.5925

Deuteranopia

38.5581, 37.7705, 63.6507



Tritanopia

32.9755, 37.8755, 52.0271

Trichromacy



Original Color

35.1991, 37.9346, 63.2245

Protanomaly

36.6913, 37.9263, 61.2638

Deuteranomaly

37.3582, 37.9458, 63.7478

Tritanomaly

33.7043, 37.8816, 55.9876

Monochromacy



Original Color

35.1991, 37.9346, 63.2245

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.6279, 36.8969, 47.4162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1991, 37.9346, 63.2245 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(135, 169, 205)` looks like.

```
.text, #text, p{  
    color:rgb(135, 169, 205)  
}
```

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(135, 169, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 169, 205) }
```

Border

The CSS property to change the border of an element to XYZ 35.1991, 37.9346, 63.2245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

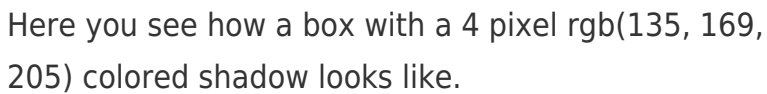
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 169, 205) }
```


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

```
.border{ border-color:rgb(135, 169, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 169, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 169, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 169, 205); box-shadow:4px 4px 4px 4px rgb(135, 169, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1991, 37.9346, 63.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 169, 205) }
```

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

```
.background{ background-color: rgb(135,  
169, 205) }
```

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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