

Converting Colors

XYZ(33.5632, 37.4775, 64.0192)

Have a look what the booklet for
XYZ(33.5632, 37.4775, 64.0192)
contains.

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Color

**XYZ(33.4005, 37.2706,
63.8261)**

Conversions

Conversions Part 1

Format	Color
Hex	79AACE
RGB	121, 170, 206
RGB Percent	47%, 67%, 81%
CMY	0.5255, 0.3333, 0.1922
CMYK	0.41, 0.17, 0.00, 0.19
HSL	205°, 46%, 64%
HSV	205°, 41%, 81%
XYZ	33.4005, 37.2706, 63.8261
YIQ	159.4530, -40.7600, 0.8080

Conversions

Conversions Part 2

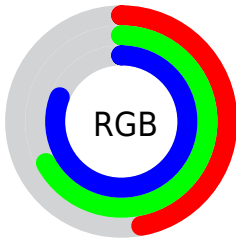
Format	Color
R _Y B	121, 152, 206
Decimal	7973582
CIE Lab	67.48, -6.99, -23.45
CIE LCh	67, 24.471, 253.407
Yxy	37.2706, 0.2483, 0.2771
Android (android.graphics.Color)	4286163662 (0xFF79AACE)
YUV	159.4530, 22.9477, -33.7233
Hunter-Lab	61.0497, -9.1789, -19.2517

Details

The XYZ color **33.4005, 37.2706, 63.8261** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.9628, 38.6173, 23.3854**, and the grayscale version is **33.0746, 34.7970, 37.8940**.

A 20% lighter version of the original color is **62.8797, 70.3005, 104.8630**, and **14.4607, 16.4172, 32.1124** is the 20% darker color. If you saturate the color by 10%, you get **29.2346, 32.7758, 63.1787**, and if you desaturate by 10%, it is **38.2938, 42.3032, 64.5402**.

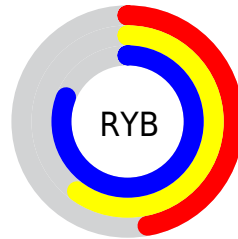
Distribution



Red (47%)

Green (67%)

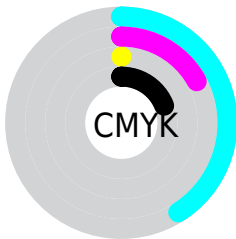
Blue (81%)



Red (47%)

Yellow (60%)

Blue (81%)

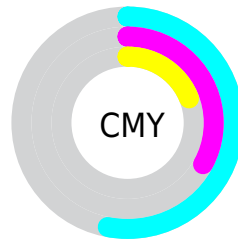


Cyan (41%)

Magenta (17%)

Yellow (0%)

Black (19%)



Cyan (53%)

Magenta (33%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4005, 37.2706, 63.8261 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 33.4005, 37.2706, 63.8261 by changing the saturation by 10% instead.

■ 33.4005, 37.2706,
63.8261

■ 33.4005, 37.2706,
63.8261

309.0837,
334.4806, 456.7516

■ 22.5941, 25.4171,
46.0646

■ 64.3508, 70.9888,
111.9575

■ 14.4131, 16.3881,
31.9477

■ 85.2255, 93.6222,
143.1645

■ 8.4922, 9.7992,
21.0571

■ 110.1869,
120.6177, 179.6903

■ 4.4659, 5.2660,
12.9741

139.6005,
152.3598, 221.9535

■ 1.9689, 2.4042,
7.2802

173.8317,
189.2327, 270.3728

■ 0.6164, 0.8280,
3.5568

213.2457,

■ 0.0000, 0.0000,

231.6208, 325.3665

1.3855

258.2079,
279.9087, 387.3532

■ 0.0000, 0.0000,
0.1304

■ 0.0000, 0.0000,
0.0000

■ 33.4005, 37.2706,
63.8261

■ 33.4005, 37.2706,
63.8261

■ 29.2346, 32.7758,
63.1787

■ 38.2938, 42.3032,
64.5402

■ 25.7507, 28.7898,
62.5930

■ 43.9490, 47.8919,
65.3209

■ 22.9038, 25.2870,
62.0669

■ 50.4025, 54.0593,
66.1712

■ 20.6410, 22.2369,
61.5975

■ 57.6874, 60.8252,
67.0932

■ 18.8997, 19.6039,
61.1810

■ 65.8347, 68.2084,
68.0889

■ 17.7083, 17.5916,
60.8554

■ 74.8737, 76.2268,
69.1602

■ 80.9777, 82.9103,
70.1285

■ 83.4820, 87.9188,
70.9633

■ 86.1097, 93.1742,
71.8392

Harmonies

Analogous

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



30.4291, 37.2706, 56.5318



33.4005, 37.2706, 63.8261



37.1270, 37.2706, 64.2297

Triad

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



33.4005, 37.2706, 63.8261



42.9304, 37.2706, 35.9686



30.6865, 37.2706, 27.3248

Complementary

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



33.4005, 37.2706, 63.8261



40.9628, 38.6173, 23.3854

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.



33.7750, 37.2706, 23.5930



33.4005, 37.2706, 63.8261



40.9389, 37.2706, 27.9546

Square

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



33.4005, 37.2706, 63.8261



42.8123, 37.2706, 46.7839



37.5288, 37.2706, 23.8011



28.9397, 37.2706, 34.9528

Rectangle

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



33.4005, 37.2706, 63.8261



39.5548, 37.2706, 60.4287



37.5288, 37.2706, 23.8011



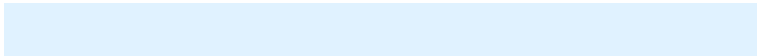
31.5924, 37.2706, 25.6387

Sweetspot

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



33.4017, 37.2720, 63.8270



80.6787, 86.6594, 107.0825



35.9937, 50.6229, 39.5132



16.9596, 18.2565, 22.8799



0.0000, 0.0000, 0.0000



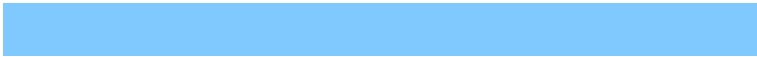
20.3446, 21.4041, 23.3091

Same Dimension

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



33.4017, 37.2720, 63.8270



47.7638, 53.5441, 102.4254



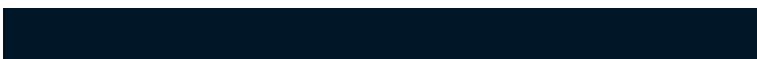
26.7570, 23.9827, 61.6121



11.1298, 11.8999, 14.2807



11.0020, 11.0280, 37.5050



0.6418, 0.7173, 1.9596

Inverse Universe

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



39.5477, 29.7001, 41.6799



59.4368, 40.7853, 59.9984



49.3099, 55.3117, 26.1678



11.4789, 11.3203, 13.0563



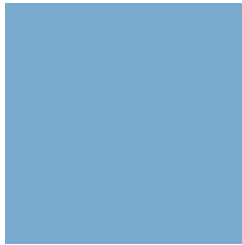
17.7642, 8.9163, 11.7429



0.9539, 0.4750, 0.8030

Previews

White Background



This preview shows how the XYZ color 33.4005, 37.2706, 63.8261 looks on a white background.

Color Contrast Check

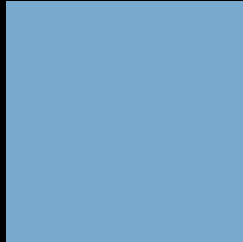
Large Text (above 18pt) WCAG AA × Fail

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 33.4005, 37.2706, 63.8261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

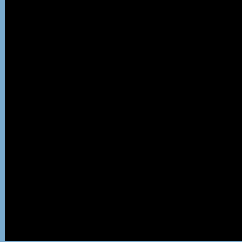
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4005, 37.2706, 63.8261

Background



This preview shows how black text looks on a background with the XYZ color 33.4005, 37.2706, 63.8261.



This preview shows how white text looks on a background with the XYZ color 33.4005, 37.2706,

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

33.4005, 37.2706, 63.8261

Protanopia

36.8632, 36.9794, 59.8384

Deuteranopia

38.0347, 37.2119, 64.8525



Tritanopia

31.1157, 37.1880, 52.5517

Trichromacy



Original Color

33.4005, 37.2706, 63.8261

Protanomaly

35.4435, 37.0142, 61.1535

Deuteranomaly

36.0395, 36.9852, 64.2709

Tritanomaly

31.9613, 37.2516, 56.5447

Monochromacy



Original Color

33.4005, 37.2706, 63.8261

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.6107, 35.3487, 46.1785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4005, 37.2706, 63.8261 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(121, 170, 206)` looks like.

```
.text, #text, p{  
    color:rgb(121, 170, 206)  
}
```

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(121, 170, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 170, 206) }
```

Border

The CSS property to change the border of an element to XYZ 33.4005, 37.2706, 63.8261 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(121, 170, 206) }
```


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

```
.border{ border-color:rgb(121, 170, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 170, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 170, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 170, 206);  
box-shadow:4px 4px 4px 4px rgb(121, 170,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4005, 37.2706, 63.8261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 170, 206) }
```

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

```
.background{ background-color: rgb(121,  
170, 206) }
```

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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