

Converting Colors

XYZ(33.4100, 37.6703, 60.3883)

Have a look what the booklet for
XYZ(33.4100, 37.6703, 60.3883)
contains.

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Color

**XYZ(33.3004, 37.5810,
60.1423)**

Conversions

Conversions Part 1

Format	Color
Hex	7CABC8
RGB	124, 171, 200
RGB Percent	49%, 67%, 78%
CMY	0.5137, 0.3294, 0.2157
CMYK	0.38, 0.14, 0.00, 0.22
HSL	203°, 41%, 64%
HSV	203°, 38%, 78%
XYZ	33.3004, 37.5810, 60.1423
YIQ	160.2530, -37.3210, -0.9450

Conversions

Conversions Part 2

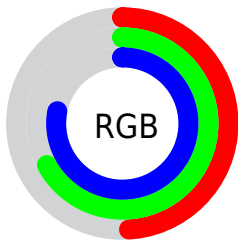
Format	Color
RYB	124, 153, 200
Decimal	8170440
CIELab	67.71, -8.34, -19.77
CIElCh	68, 21.455, 247.134
Yxy	37.5810, 0.2542, 0.2868
Android (android.graphics.Color)	4286360520 (0xFF7CABC8)
YUV	160.2530, 19.5953, -31.7939
Hunter-Lab	61.3033, -10.3184, -15.2547

Details

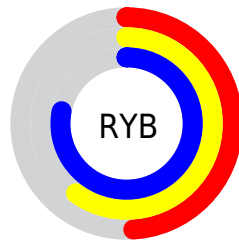
The XYZ color **33.3004, 37.5810, 60.1423** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.8495, 36.5178, 24.0710**, and the grayscale version is **33.4560, 35.1983, 38.3310**.

A 20% lighter version of the original color is **63.8368, 71.1964, 104.9855**, and **14.3837, 16.6086, 29.6418** is the 20% darker color. If you saturate the color by 10%, you get **29.2980, 33.4400, 59.5546**, and if you desaturate by 10%, it is **37.9746, 42.1936, 60.7869**.

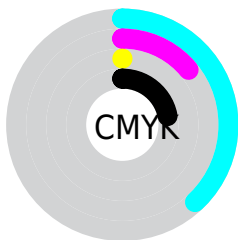
Distribution



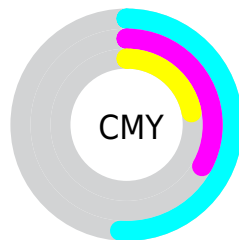
- Red (49%)
- Green (67%)
- Blue (78%)



- Red (49%)
- Yellow (60%)
- Blue (78%)



- Cyan (38%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)



- Cyan (51%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3004, 37.5810, 60.1423 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 33.3004, 37.5810, 60.1423 by changing the saturation by 10% instead.

■ 33.3004, 37.5810,
60.1423

■ 33.3004, 37.5810,
60.1423

308.6423,
335.8191, 442.9413

■ 22.5170, 25.6577,
43.1073

■ 64.1958, 71.4655,
106.5815

■ 14.3560, 16.5677,
29.6373

■ 85.0385, 94.1954,
136.8227

■ 8.4520, 9.9268,
19.3137

■ 109.9650,
121.2963, 172.3031

■ 4.4398, 5.3504,
11.7181

139.3407,
153.1525, 213.4412

■ 1.9538, 2.4543,
6.4318

173.5309,
190.1485, 260.6555

■ 0.6078, 0.8536,
3.0364

212.9010,

■ 0.0000, 0.0000,

232.6687, 314.3646

1.1132

257.8164,
281.0975, 374.9870

■ 0.0000, 0.0000,
0.0000

■ 33.3004, 37.5810,
60.1423

■ 33.3004, 37.5810,
60.1423

■ 29.2980, 33.4400,
59.5546

■ 37.9746, 42.1936,
60.7869

■ 25.9268, 29.7450,
59.0191

■ 43.3510, 47.2929,
61.4878

■ 23.1470, 26.4743,
58.5343

■ 49.4624, 52.8987,
62.2477

■ 20.9123, 23.6018,
58.0976

■ 56.3384, 59.0281,
63.0684

■ 19.1687, 21.0974,
57.7061

■ 64.0068, 65.6974,
63.9516

■ 17.8364, 18.9177,
57.3556

■ 72.4941, 72.9221,
64.8987

■ 17.5940, 18.5073,
57.2892

■ 78.4348, 78.9688,
65.7528

■ 80.5372, 83.1737,
66.4536

■ 82.7329, 87.5651,
67.1855

Harmonies

Analogous

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



30.8768, 37.5810, 52.9539



33.3004, 37.5810, 60.1423



36.5168, 37.5810, 61.8290

Triad

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



33.3004, 37.5810, 60.1423



42.4226, 37.5810, 38.6946



32.0094, 37.5810, 28.0270

Complementary

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



33.3004, 37.5810, 60.1423



38.8495, 36.5178, 24.0710

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.



34.9341, 37.5810, 25.3515



33.3004, 37.5810, 60.1423



41.0441, 37.5810, 30.8620

Square

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



33.3004, 37.5810, 60.1423



41.9184, 37.5810, 48.4278



38.2532, 37.5810, 26.3027



30.1642, 37.5810, 34.2300

Rectangle

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



33.3004, 37.5810, 60.1423



38.7052, 37.5810, 59.4029



38.2532, 37.5810, 26.3027



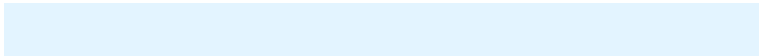
32.8916, 37.5810, 26.7328

Sweetspot

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



33.3016, 37.5825, 60.1432



82.1529, 88.4231, 107.3452



34.6240, 47.8571, 37.0621



17.2683, 18.6375, 22.9372



0.0000, 0.0000, 0.0000



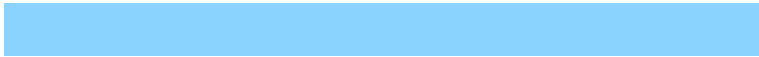
20.3446, 21.4041, 23.3091

Same Dimension

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



33.3016, 37.5825, 60.1432



51.5881, 58.8107, 103.2404



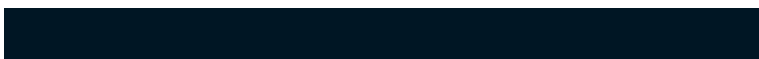
27.2821, 25.5434, 58.1367



10.5937, 11.3614, 13.5521



11.2755, 11.9450, 36.4557



0.6023, 0.7024, 1.7490

Inverse Universe

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



38.3787, 29.6360, 42.2271



61.9486, 44.0162, 66.3621



45.8429, 50.5046, 26.4021



10.9049, 10.7454, 12.4826



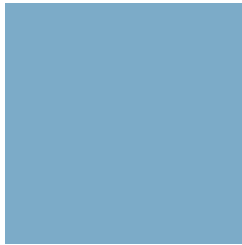
17.4907, 8.7458, 13.0598



0.8627, 0.4279, 0.8001

Previews

White Background



This preview shows how the XYZ color 33.3004, 37.5810, 60.1423 looks on a white background.

Color Contrast Check

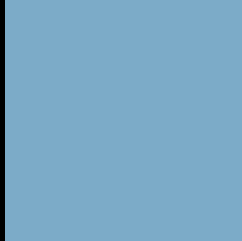
Large Text (above 18pt) WCAG AA × Fail

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 33.3004, 37.5810, 60.1423 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

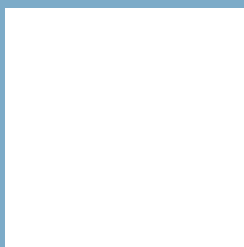
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3004, 37.5810, 60.1423

Background



This preview shows how black text looks on a background with the XYZ color 33.3004, 37.5810, 60.1423.



This preview shows how white text looks on a background with the XYZ color 33.3004, 37.5810,

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

33.3004, 37.5810, 60.1423

Protanopia

37.0481, 37.4036, 56.8967

Deuteranopia

38.1035, 37.3311, 61.0745



Tritanopia

31.7984, 37.5399, 52.5837

Trichromacy



Original Color

33.3004, 37.5810, 60.1423

Protanomaly

35.5683, 37.4146, 58.1704

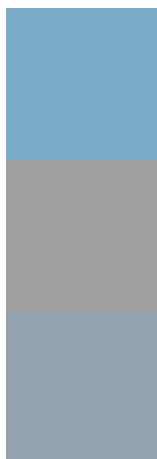
Deuteranomaly

36.2105, 37.4232, 60.5732

Tritanomaly

32.2930, 37.4484, 55.3954

Monochromacy



Original Color

33.3004, 37.5810, 60.1423

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.0459, 35.8491, 45.7353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3004, 37.5810, 60.1423 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(124, 171, 200)` looks like.

```
.text, #text, p{  
    color:rgb(124, 171, 200)  
}
```

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(124, 171, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 171, 200) }
```

Border

The CSS property to change the border of an element to XYZ 33.3004, 37.5810, 60.1423 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(124, 171, 200) }
```


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

```
.border{ border-color:rgb(124, 171, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 171, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 171, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 171, 200);  
box-shadow:4px 4px 4px 4px rgb(124, 171,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3004, 37.5810, 60.1423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 171, 200) }
```

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

```
.background{ background-color: rgb(124,  
171, 200) }
```

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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