

Converting Colors

XYZ(33.6338, 37.0602, 78.7794)

Have a look what the booklet for
XYZ(33.6338, 37.0602, 78.7794)
contains.

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Color

**XYZ(33.6338, 37.0602,
78.7794)**

Conversions

Conversions Part 1

Format	Color
Hex	64AAE4
RGB	100, 170, 228
RGB Percent	39%, 67%, 89%
CMY	0.6078, 0.3333, 0.1059
CMYK	0.56, 0.25, 0.00, 0.11
HSL	207°, 70%, 64%
HSV	207°, 56%, 89%
XYZ	33.6338, 37.0602, 78.7794
YIQ	155.6820, -60.3380, 3.1980

Conversions

Conversions Part 2

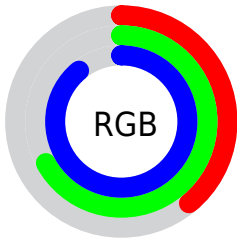
Format	Color
R _Y B	100, 145, 228
Decimal	6597348
CIE Lab	67.32, -5.49, -35.89
CIE LCh	67, 36.307, 261.303
Yxy	37.0602, 0.2250, 0.2479
Android (android.graphics.Color)	4284787428 (0xFF64AAE4)
YUV	155.6820, 35.6528, -48.8331
Hunter-Lab	60.8771, -7.9160, -34.1116

Details

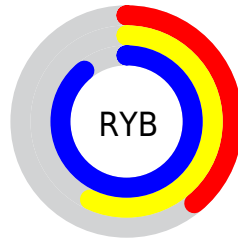
The XYZ color **33.6338, 37.0602, 78.7794** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.5233, 41.8695, 17.6877**, and the grayscale version is **31.3252, 32.9565, 35.8896**.

A 20% lighter version of the original color is **59.2733, 68.4414, 104.6942**, and **14.5205, 16.2425, 41.3995** is the 20% darker color. If you saturate the color by 10%, you get **29.5948, 32.2156, 78.0579**, and if you desaturate by 10%, it is **38.5331, 42.5756, 79.5865**.

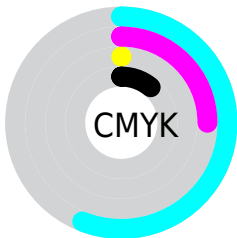
Distribution



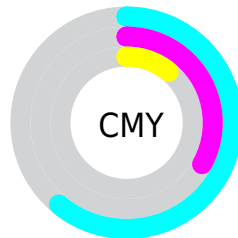
- Red (39%)
- Green (67%)
- Blue (89%)



- Red (39%)
- Yellow (57%)
- Blue (89%)



- Cyan (56%)
- Magenta (25%)
- Yellow (0%)
- Black (11%)



- Cyan (61%)
- Magenta (33%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6338, 37.0602, 78.7794 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 33.6338, 37.0602, 78.7794 by changing the saturation by 10% instead.

■ 33.6338, 37.0602,
78.7794

■ 33.6338, 37.0602,
78.7794

310.1108,
333.5711, 510.4076

■ 22.7740, 25.2541,
58.1942

■ 64.7119, 70.6654,
133.4441

■ 14.5465, 16.2665,
41.5491

■ 85.6608, 93.2332,
168.3607

■ 8.5860, 9.7129,
28.4254

■ 110.7035,
120.1571, 208.8915

■ 4.5270, 5.2090,
18.4048

■ 140.2053,
151.8215, 255.4551

■ 2.0044, 2.3704,
11.0685

174.5316,
188.6106, 308.4699

■ 0.6364, 0.8106,
5.9982

214.0477,

■ 0.0000, 0.0000,

230.9090, 368.3546

2.7752

259.1190,
279.1010, 435.5276

■ 0.0000, 0.0000,
0.9810

■ 0.0000, 0.0000,
0.0000

■ 33.6338, 37.0602,
78.7794

■ 33.6338, 37.0602,
78.7794

■ 29.5948, 32.2156,
78.0579

■ 38.5331, 42.5756,
79.5865

■ 26.3482, 27.9996,
77.4152

■ 44.3458, 48.7922,
80.4800

■ 23.8210, 24.3699,
76.8478

■ 51.1247, 55.7427,
81.4643

■ 21.9217, 21.2738,
76.3503

■ 58.9174, 63.4564,
82.5425

■ 21.2977, 20.1895,
76.1739

■ 67.7681, 71.9605,
83.7175

■ 77.7183, 81.2809,
84.9921

■ 87.0919, 90.5578,
86.2887

■ 90.2598, 96.8937,
87.3446

■ 91.0037, 98.3815,
87.5926

Harmonies

Analogous

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



28.9589, 37.0602, 69.2494



33.6338, 37.0602, 78.7794



39.2499, 37.0602, 76.0947

Triad

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



33.6338, 37.0602, 78.7794



46.1442, 37.0602, 30.2267



27.5277, 37.0602, 24.0876

Complementary

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



33.6338, 37.0602, 78.7794



46.5233, 41.8695, 17.6877

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.



31.4844, 37.0602, 18.0330



33.6338, 37.0602, 78.7794



42.3345, 37.0602, 20.8746

Square

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



33.6338, 37.0602, 78.7794



46.8749, 37.0602, 45.1576



36.8648, 37.0602, 17.0357



25.6848, 37.0602, 35.9005

Rectangle

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



33.6338, 37.0602, 78.7794



42.7565, 37.0602, 67.9756



36.8648, 37.0602, 17.0357



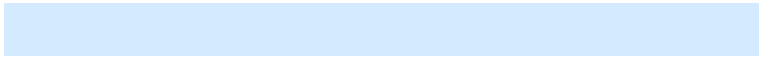
28.6336, 37.0602, 21.4561

Sweetspot

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



33.6351, 37.0615, 78.7803



74.9112, 80.7863, 106.2528



39.1373, 60.6520, 41.8134



15.5820, 16.8483, 22.6807



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.



33.6351, 37.0615, 78.7803



37.5571, 40.7867, 100.5009



24.4558, 18.7030, 75.7206



14.2328, 15.1870, 18.3256



12.4180, 11.8982, 44.0253



1.0102, 1.0643, 3.2842

Inverse Universe

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



43.8089, 28.5120, 41.2258



52.4160, 30.8216, 45.0866



60.3112, 69.4453, 22.2836



14.7051, 14.4992, 16.6474



20.6616, 10.3988, 12.3787



1.5735, 0.7871, 1.1607

Previews

White Background



This preview shows how the XYZ color 33.6338, 37.0602, 78.7794 looks on a white background.

Color Contrast Check

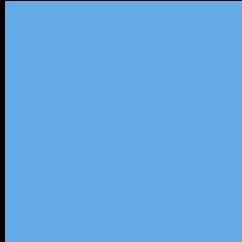
Large Text (above 18pt) WCAG AA × Fail

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 33.6338, 37.0602, 78.7794 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 33.6338, 37.0602, 78.7794

Background



This preview shows how black text looks on a background with the XYZ color 33.6338, 37.0602, 78.7794.

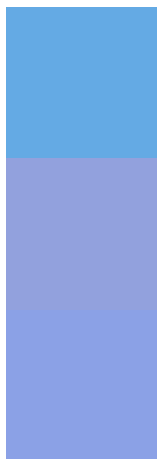


This preview shows how white text looks on a background with the XYZ color 33.6338, 37.0602,

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

33.6338, 37.0602, 78.7794

Protanopia

37.6501, 36.8212, 73.5294

Deuteranopia

37.6753, 36.6919, 79.9595



Tritanopia

28.9639, 37.1843, 54.9409

Trichromacy



Original Color

33.6338, 37.0602, 78.7794

Protanomaly

35.7833, 36.5999, 75.6995

Deuteranomaly

35.8758, 36.5680, 79.2962

Tritanomaly

30.3495, 36.8559, 62.6410

Monochromacy



Original Color

33.6338, 37.0602, 78.7794

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.3417, 34.1014, 49.1863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6338, 37.0602, 78.7794 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(100, 170, 228)` looks like.

```
.text, #text, p{  
    color:rgb(100, 170, 228)  
}
```

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(100, 170, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 170, 228) }
```

Border

The CSS property to change the border of an element to XYZ 33.6338, 37.0602, 78.7794 is called "border". The border property can be set on classes, ids or directly on the HTML element.

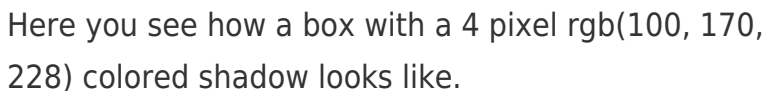
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 170, 228) }
```


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

```
.border{ border-color:rgb(100, 170, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(100, 170, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 170, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 170, 228); box-shadow:4px 4px 4px 4px rgb(100, 170, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6338, 37.0602, 78.7794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 170, 228) }
```

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

```
.background{ background-color: rgb(100,  
170, 228) }
```

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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