

Converting Colors

XYZ(33.5297, 34.3068, 77.7462)

Have a look what the booklet for
XYZ(33.5297, 34.3068, 77.7462)
contains.

XYZ(33.5062, 34.3325, 77.5339)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.5062, 34.3325,
77.5339)**

Conversions

Conversions Part 1

Format	Color
Hex	73A0E3
RGB	115, 160, 227
RGB Percent	45%, 63%, 89%
CMY	0.5490, 0.3725, 0.1098
CMYK	0.49, 0.30, 0.00, 0.11
HSL	216°, 67%, 67%
HSV	216°, 49%, 89%
XYZ	33.5062, 34.3325, 77.5339
YIQ	154.1830, -48.3270, 11.2970

Conversions

Conversions Part 2

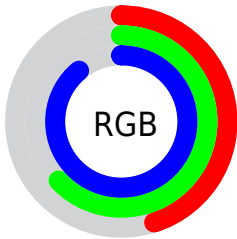
Format	Color
RYB	115, 147, 227
Decimal	7577827
CIELab	65.23, 3.10, -38.55
CIElCh	65, 38.677, 274.596
Yxy	34.3325, 0.2305, 0.2362
Android (android.graphics.Color)	4285767907 (0xFF73A0E3)
YUV	154.1830, 35.8988, -34.3635
Hunter-Lab	58.5939, -0.4664, -37.4392

Details

The XYZ color **33.5062, 34.3325, 77.5339** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.5024, 51.0265, 23.3560**, and the grayscale version is **30.6591, 32.2558, 35.1266**.

A 20% lighter version of the original color is **59.3637, 64.5915, 103.9464**, and **14.4502, 14.7183, 40.6074** is the 20% darker color. If you saturate the color by 10%, you get **28.6536, 28.5255, 76.6695**, and if you desaturate by 10%, it is **39.3533, 41.0352, 78.5201**.

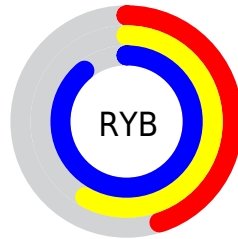
Distribution



Red (45%)

Green (63%)

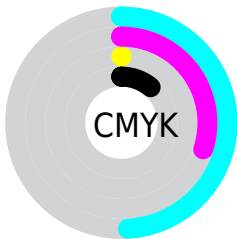
Blue (89%)



Red (45%)

Yellow (58%)

Blue (89%)

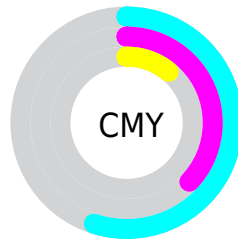


Cyan (49%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (55%)

Magenta (37%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5062, 34.3325, 77.5339 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 33.5062, 34.3325, 77.5339 by changing the saturation by 10% instead.

■ 33.5062, 34.3325,
77.5339

■ 33.5062, 34.3325,
77.5339

309.5494,
321.6121, 506.0684

■ 22.6756, 23.1492,
57.1770

■ 64.5144, 66.4504,
131.6727

■ 14.4735, 14.7037,
40.7371

■ 85.4228, 88.1537,
166.2918

■ 8.5346, 8.6117,
27.7955

■ 110.4211,
114.1325, 206.5019

■ 4.4936, 4.4888,
17.9339

139.8747,
144.7712, 252.7217

■ 1.9850, 1.9506,
10.7336

174.1490,
180.4541, 305.3697

■ 0.6255, 0.5785,
5.7761

213.6093,

■ 0.0000, 0.0000,

221.5656, 364.8645

2.6428

258.6210,
268.4901, 431.6245

■ 0.0000, 0.0000,
0.9144

■ 0.0000, 0.0000,
0.0000

■ 33.5062, 34.3325,
77.5339

■ 33.5062, 34.3325,
77.5339

■ 28.6536, 28.5255,
76.6695

■ 39.3533, 41.0352,
78.5201

■ 24.7287, 23.5656,
75.9190

■ 46.2484, 48.6710,
79.6306

■ 21.6614, 19.4045,
75.2775

■ 54.2453, 57.2793,
80.8707

■ 19.3683, 15.9857,
74.7384

■ 63.3930, 66.8962,
82.2448

■ 17.7202, 13.2280,
74.2930

■ 73.7372, 77.5555,
83.7570

■ 17.6237, 13.0630,
74.2662

■ 85.3211, 89.2894,
85.4114

■ 90.8653, 98.3261,
86.8634

Harmonies

Analogous

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



28.2089, 34.3325, 72.9196



33.5062, 34.3325, 77.5339



39.1656, 34.3325, 69.1137

Triad

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



33.5062, 34.3325, 77.5339



42.3685, 34.3325, 22.4102



23.8055, 34.3325, 25.6071

Complementary

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



33.5062, 34.3325, 77.5339



51.5024, 51.0265, 23.3560

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.



26.8687, 34.3325, 17.2435



33.5062, 34.3325, 77.5339



37.4949, 34.3325, 15.8040

Square

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



33.5062, 34.3325, 77.5339



44.6425, 34.3325, 34.9552



31.7732, 34.3325, 14.2285



22.9956, 34.3325, 39.9192

Rectangle

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



33.5062, 34.3325, 77.5339



42.2644, 34.3325, 58.3500



31.7732, 34.3325, 14.2285



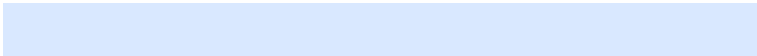
24.5871, 34.3325, 22.1565

Sweetspot

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



33.5074, 34.3337, 77.5347



75.4808, 79.7130, 106.0156



42.8128, 61.8929, 53.0498



15.6279, 16.5044, 22.6119



0.0000, 0.0000, 0.0000



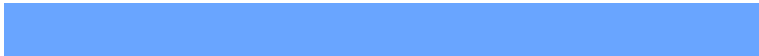
20.3446, 21.4041, 23.3091

Same Dimension

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



33.5074, 34.3337, 77.5347



37.2776, 37.1052, 99.8050



28.3578, 22.1192, 75.4485



14.0557, 14.8329, 18.2665



10.3853, 7.8327, 43.3477



0.8564, 0.7568, 3.2329

Inverse Universe

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



44.1556, 31.1319, 36.9406



53.0371, 33.9882, 39.3609



59.3784, 71.0309, 26.8021



14.6157, 14.4635, 16.1768



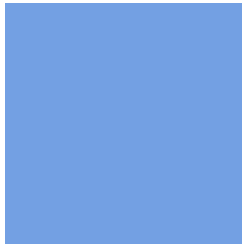
19.6355, 9.9884, 6.9756



1.4959, 0.7561, 0.7520

Previews

White Background



This preview shows how the XYZ color 33.5062, 34.3325, 77.5339 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 33.5062, 34.3325, 77.5339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

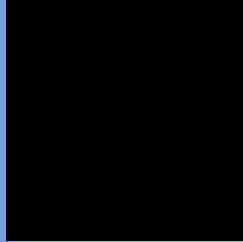
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5062, 34.3325, 77.5339

Background



This preview shows how black text looks on a background with the XYZ color 33.5062, 34.3325, 77.5339.



This preview shows how white text looks on a background with the XYZ color 33.5062, 34.3325,

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

33.5062, 34.3325, 77.5339

Protanopia

35.3572, 34.0888, 74.5283

Deuteranopia

35.0980, 34.1242, 78.1356



Tritanopia

27.9983, 34.5200, 49.4433

Trichromacy



Original Color

33.5062, 34.3325, 77.5339

Protanomaly

34.5648, 34.1629, 75.2933

Deuteranomaly

34.5180, 34.0754, 78.1567

Tritanomaly

29.7731, 34.4138, 58.4994

Monochromacy



Original Color

33.5062, 34.3325, 77.5339

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.0442, 32.6886, 48.3894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5062, 34.3325, 77.5339 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(115, 160, 227)` looks like.

```
.text, #text, p{  
    color:rgb(115, 160, 227)  
}
```

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(115, 160, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 160, 227) }
```

Border

The CSS property to change the border of an element to XYZ 33.5062, 34.3325, 77.5339 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(115, 160, 227) }
```


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

```
.border{ border-color:rgb(115, 160, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 160, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 160, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 160, 227); box-shadow:4px 4px 4px 4px rgb(115, 160, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5062, 34.3325, 77.5339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 160, 227) }
```

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

```
.background{ background-color: rgb(115,  
160, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor