

Converting Colors

XYZ(33.4199, 36.6887, 77.9933)

Have a look what the booklet for
XYZ(33.4199, 36.6887, 77.9933)
contains.

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Color

**XYZ(33.4199, 36.6887,
77.9933)**

Conversions

Conversions Part 1

Format	Color
Hex	65A9E3
RGB	101, 169, 227
RGB Percent	40%, 66%, 89%
CMY	0.6039, 0.3372, 0.1098
CMYK	0.56, 0.26, 0.00, 0.11
HSL	208°, 69%, 64%
HSV	208°, 56%, 89%
XYZ	33.4199, 36.6887, 77.9933
YIQ	155.2800, -59.1460, 3.6220

Conversions

Conversions Part 2

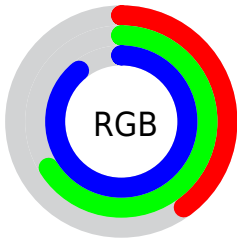
Format	Color
RYB	101, 145, 227
Decimal	6662627
CIELab	67.04, -5.04, -35.77
CIELCh	67, 36.125, 261.984
Yxy	36.6887, 0.2257, 0.2477
Android (android.graphics.Color)	4284852707 (0xFF65A9E3)
YUV	155.2800, 35.3580, -47.6036
Hunter-Lab	60.5712, -7.5130, -33.9438

Details

The XYZ color **33.4199, 36.6887, 77.9933** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.4270, 42.0685, 17.9864**, and the grayscale version is **31.1479, 32.7701, 35.6866**.

A 20% lighter version of the original color is **59.0037, 67.9022, 104.6044**, and **14.3717, 16.0029, 40.8595** is the 20% darker color. If you saturate the color by 10%, you get **29.3537, 31.8216, 77.2689**, and if you desaturate by 10%, it is **38.3458, 42.2310, 78.8041**.

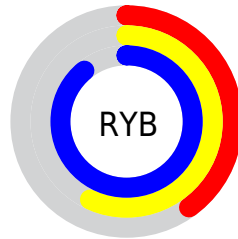
Distribution



Red (40%)

Green (66%)

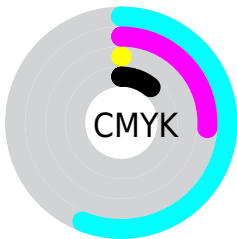
Blue (89%)



Red (40%)

Yellow (57%)

Blue (89%)

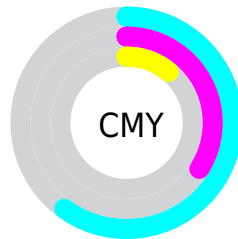


Cyan (56%)

Magenta (26%)

Yellow (0%)

Black (11%)



Cyan (60%)

Magenta (34%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4199, 36.6887, 77.9933 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 33.4199, 36.6887, 77.9933 by changing the saturation by 10% instead.

■ 33.4199, 36.6887,
77.9933

■ 33.4199, 36.6887,
77.9933

309.1692,
331.9608, 507.6714

■ 22.6091, 24.9666,
57.5521

■ 64.3808, 70.0937,
132.3265

■ 14.4242, 16.0521,
41.0363

■ 85.2617, 92.5454,
167.0555

■ 8.5000, 9.5611,
28.0276

■ 110.2299,
119.3424, 207.3841

■ 4.4710, 5.1089,
18.1072

■ 139.6509,
150.8691, 253.7310

■ 1.9719, 2.3113,
10.8567

173.8899,
187.5099, 306.5146

■ 0.6181, 0.7797,
5.8576

213.3124,

■ 0.0000, 0.0000,

229.6492, 366.1535

2.6913

258.2838,
277.6714, 433.0663

■ 0.0000, 0.0000,
0.9391

■ 0.0000, 0.0000,
0.0000

■ 33.4199, 36.6887,
77.9933

■ 33.4199, 36.6887,
77.9933

■ 29.3537, 31.8216,
77.2689

■ 38.3458, 42.2310,
78.8041

■ 26.0804, 27.5879,
76.6242

■ 44.1837, 48.4785,
79.7024

■ 23.5284, 23.9458,
76.0557

■ 50.9858, 55.4640,
80.6922

■ 21.6089, 20.8437,
75.5581

■ 58.7991, 63.2165,
81.7768

■ 20.8873, 19.5901,
75.3542

■ 67.6672, 71.7632,
82.9590

■ 77.6312, 81.1300,
84.2418

■ 86.9015, 90.3986,
85.5423

■ 90.1036, 96.8028,
86.6096

■ 90.8653, 98.3261,
86.8635

Harmonies

Analogous

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



28.7649, 36.6887, 68.8191



33.4199, 36.6887, 77.9933



38.9751, 36.6887, 75.0578

Triad

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



33.4199, 36.6887, 77.9933



45.6066, 36.6887, 29.6638



27.1973, 36.6887, 24.0692

Complementary

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



33.4199, 36.6887, 77.9933



46.4270, 42.0685, 17.9864

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.



31.0665, 36.6887, 17.9575



33.4199, 36.6887, 77.9933



41.7864, 36.6887, 20.5471

Square

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



33.4199, 36.6887, 77.9933



46.4060, 36.6887, 44.3142



36.3646, 36.6887, 16.8636



25.4267, 36.6887, 35.8780

Rectangle

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



33.4199, 36.6887, 77.9933



42.4216, 36.6887, 66.9028



36.3646, 36.6887, 16.8636



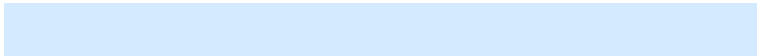
28.2750, 36.6887, 21.4234

Sweetspot

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



33.4212, 36.6900, 77.9942



74.8218, 80.6075, 106.2230



38.9829, 60.1642, 41.7724



15.5609, 16.8061, 22.6737



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.



33.4212, 36.6900, 77.9942



37.3144, 40.3014, 100.4200



24.5223, 18.8923, 75.0279



14.2239, 15.1693, 18.3226



12.2995, 11.6610, 43.9857



1.0016, 1.0471, 3.2813

Inverse Universe

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



43.4948, 28.5042, 40.7468



52.2935, 30.7726, 44.4416



59.8058, 68.8261, 22.4460



14.7006, 14.4974, 16.6239



20.6017, 10.3749, 12.0635



1.5692, 0.7854, 1.1378

Previews

White Background



This preview shows how the XYZ color 33.4199, 36.6887, 77.9933 looks on a white background.

Color Contrast Check

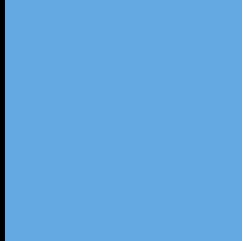
Large Text (above 18pt) WCAG AA × Fail

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 33.4199, 36.6887, 77.9933 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 33.4199, 36.6887, 77.9933

Background



This preview shows how black text looks on a background with the XYZ color 33.4199, 36.6887, 77.9933.

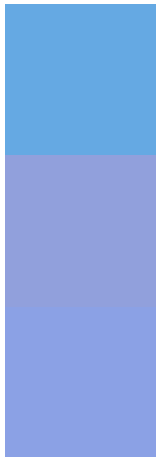


This preview shows how white text looks on a background with the XYZ color 33.4199, 36.6887,

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

33.4199, 36.6887, 77.9933

Protanopia

37.1661, 36.3287, 72.7634

Deuteranopia

37.5352, 36.6358, 79.2218



Tritanopia

28.7501, 36.7946, 54.3020

Trichromacy



Original Color

33.4199, 36.6887, 77.9933

Protanomaly

35.4697, 36.1892, 74.9278

Deuteranomaly

35.7365, 36.5123, 78.5629

Tritanomaly

30.1367, 36.4742, 61.9518

Monochromacy



Original Color

33.4199, 36.6887, 77.9933

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.9030, 33.6287, 48.5783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4199, 36.6887, 77.9933 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(101, 169, 227)` looks like.

```
.text, #text, p{  
    color:rgb(101, 169, 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(101, 169, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 169, 227) }
```

Border

The CSS property to change the border of an element to XYZ 33.4199, 36.6887, 77.9933 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(101, 169, 227) }
```


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

```
.border{ border-color:rgb(101, 169, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 169, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 169, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 169, 227); box-shadow:4px 4px 4px 4px rgb(101, 169, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4199, 36.6887, 77.9933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 169, 227) }
```

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

```
.background{ background-color: rgb(101,  
169, 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](#).

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