

Converting Colors

XYZ(37.4813, 33.8693,
104.9510)

Have a look what the booklet for
XYZ(37.4813, 33.8693, 104.9510)
contains.

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Color

**XYZ(36.3485, 33.3213,
99.1236)**

Conversions

Conversions Part 1

Format	Color
Hex	7398FF
RGB	115, 152, 255
RGB Percent	45%, 60%, 100%
CMY	0.5490, 0.4039, 0.0000
CMYK	0.55, 0.40, 0.00, 0.00
HSL	224°, 100%, 73%
HSV	224°, 55%, 100%
XYZ	36.3485, 33.3213, 99.1236
YIQ	152.6790, -55.1150, 24.1890

Conversions

Conversions Part 2

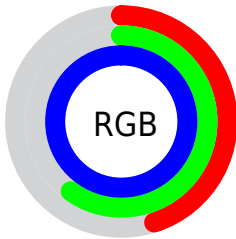
Format	Color
RYB	115, 144, 255
Decimal	7575807
CIELab	64.42, 16.29, -55.18
CIELCh	64, 57.535, 286.445
Yxy	33.3213, 0.2153, 0.1974
Android (android.graphics.Color)	4285765887 (0xFF7398FF)
YUV	152.6790, 50.4443, -33.0445
Hunter-Lab	57.7246, 11.3813, -61.4044

Details

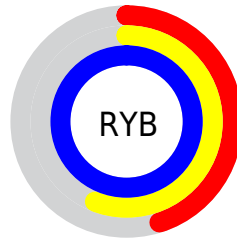
The XYZ color **36.3485, 33.3213, 99.1236** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.4078, 72.6436, 26.5853**, and the grayscale version is **29.9453, 31.5048, 34.3088**.

A 20% lighter version of the original color is **57.8005, 60.4766, 103.2345**, and **16.2110, 14.2329, 55.3189** is the 20% darker color. If you saturate the color by 10%, you get **30.6392, 26.2100, 98.0519**, and if you desaturate by 10%, it is **43.4691, 41.8760, 100.3996**.

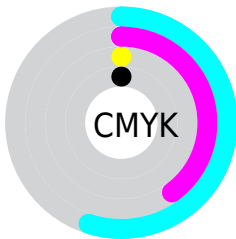
Distribution



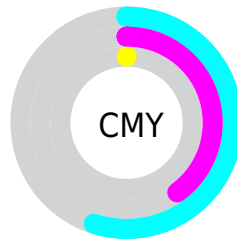
- Red (45%)
- Green (60%)
- Blue (100%)



- Red (45%)
- Yellow (56%)
- Blue (100%)



- Cyan (55%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3485, 33.3213, 99.1236 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 36.3485, 33.3213, 99.1236 by changing the saturation by 10% instead.

■ 36.3485, 33.3213,
99.1236

■ 36.3485, 33.3213,
99.1236

321.8860,
317.0950, 578.6018

■ 24.8748, 22.3727,
74.9560

■ 68.8900, 64.8768,
161.9936

■ 16.1121, 14.1310,
55.0753

■ 90.6885, 86.2526,
201.5332

■ 9.6948, 8.2118,
39.0630

■ 116.6594,
111.8728, 247.0338

■ 5.2578, 4.2308,
26.5006

147.1679,
142.1219, 298.9140

■ 2.4356, 1.8035,
16.9694

182.5795,
177.3843, 357.5924

■ 0.8629, 0.4893,
10.0509

223.2594,

■ 0.0000, 0.0000,

218.0443, 423.4875

5.3267

269.5731,
264.4864, 497.0178

■ 0.0000, 0.0000,
2.3781

■ 0.0000, 0.0000,
0.7745

■ 36.3485, 33.3213,
99.1236

■ 36.3485, 33.3213,
99.1236

■ 30.6392, 26.2100,
98.0519

■ 43.4691, 41.8760,
100.3996

■ 26.2363, 20.4532,
97.1728

■ 52.0880, 51.9490,
101.8896

■ 23.0253, 15.9561,
96.4740

■ 62.2893, 63.6135,
103.6034

■ 20.8669, 12.6073,
95.9414

■ 74.1494, 76.9368,
105.5499

■ 20.0802, 11.2804,
95.7267

■ 87.7399, 91.9823,
107.7377

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



28.1167, 33.3213, 100.2806



36.3485, 33.3213, 99.1236



44.5296, 33.3213, 77.1474

Triad

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



36.3485, 33.3213, 99.1236



43.8273, 33.3213, 12.4061



18.6807, 33.3213, 26.6920

Complementary

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



36.3485, 33.3213, 99.1236



69.4078, 72.6436, 26.5853

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.



21.5617, 33.3213, 13.2107



36.3485, 33.3213, 99.1236



35.5126, 33.3213, 7.7047

Square

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



36.3485, 33.3213, 99.1236



49.3313, 33.3213, 24.9383



27.4129, 33.3213, 7.9165



18.8259, 33.3213, 50.6281

Rectangle

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



36.3485, 33.3213, 99.1236



48.4381, 33.3213, 57.4883



27.4129, 33.3213, 7.9165



19.3027, 33.3213, 21.0600

Sweetspot

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



36.3497, 33.3224, 99.1238



72.7603, 75.3868, 105.3240



55.4427, 80.2099, 78.6625



15.0297, 15.5275, 22.4549



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.



36.3497, 33.3224, 99.1238



30.0923, 25.5115, 97.9459



36.3351, 25.7485, 97.6626



17.3933, 18.1583, 22.8381



10.5953, 6.1002, 50.0536



1.1164, 0.7635, 4.9018

Inverse Universe

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



53.0392, 35.7902, 33.8192



48.7326, 29.6714, 24.6936



69.0819, 88.3405, 29.6323



18.2064, 18.0659, 19.7042



22.1362, 11.3438, 4.1019



2.1981, 1.1216, 0.6247

Previews

White Background



This preview shows how the XYZ color 36.3485, 33.3213, 99.1236 looks on a white background.

Color Contrast Check

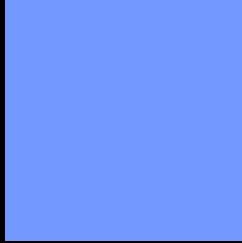
Large Text (above 18pt) WCAG AA × Fail

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 36.3485, 33.3213, 99.1236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

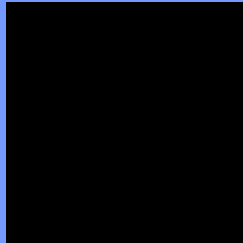
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3485, 33.3213, 99.1236

Background



This preview shows how black text looks on a background with the XYZ color 36.3485, 33.3213, 99.1236.



This preview shows how white text looks on a background with the XYZ color 36.3485, 33.3213,

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

36.3485, 33.3213, 99.1236

Protanopia

36.2177, 33.2539, 99.1175

Deuteranopia

34.3940, 33.3124, 98.3831



Tritanopia

26.3676, 33.4162, 48.7763

Trichromacy



Original Color

36.3485, 33.3213, 99.1236

Protanomaly

36.2177, 33.2539, 99.1175

Deuteranomaly

35.0902, 33.4232, 98.3678

Tritanomaly

29.3425, 32.9914, 64.4960

Monochromacy



Original Color

36.3485, 33.3213, 99.1236

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.3330, 31.9891, 53.2383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3485, 33.3213, 99.1236 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, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 152, 255)  
}
```

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, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 152, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.3485, 33.3213, 99.1236 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, 152, 255) }
```


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

```
.border{ border-color:rgb(115, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 152,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3485, 33.3213, 99.1236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 152, 255) }
```

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

```
.background{ background-color: rgb(115,  
152, 255) }
```

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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