

Converting Colors

XYZ(36.1172, 33.8727, 99.2422)

Have a look what the booklet for
XYZ(36.1172, 33.8727, 99.2422)
contains.

XYZ(36.2018, 33.9777, 99.2581)	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(36.2018, 33.9777,
99.2581)**

Conversions

Conversions Part 1

Format	Color
Hex	6E9BFF
RGB	110, 155, 255
RGB Percent	43%, 61%, 100%
CMY	0.5686, 0.3921, 0.0000
CMYK	0.57, 0.39, 0.00, 0.00
HSL	221°, 100%, 72%
HSV	221°, 57%, 100%
XYZ	36.2018, 33.9777, 99.2581
YIQ	152.9450, -58.9200, 21.5600

Conversions

Conversions Part 2

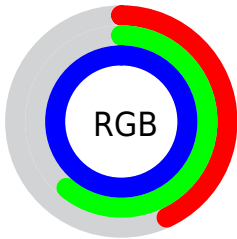
Format	Color
RYB	110, 144, 255
Decimal	7248895
CIELab	64.94, 13.54, -54.36
CIELCh	65, 56.024, 283.984
Yxy	33.9777, 0.2137, 0.2005
Android (android.graphics.Color)	4285438975 (0xFF6E9BFF)
YUV	152.9450, 50.3131, -37.6628
Hunter-Lab	58.2904, 8.8509, -60.1570

Details

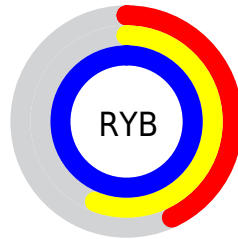
The XYZ color **36.2018, 33.9777, 99.2581** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.1029, 68.4820, 24.4357**, and the grayscale version is **30.0622, 31.6278, 34.4427**.

A 20% lighter version of the original color is **57.4280, 61.3670, 103.4260**, and **16.0184, 14.4290, 55.3669** is the 20% darker color. If you saturate the color by 10%, you get **30.7565, 27.1379, 98.2248**, and if you desaturate by 10%, it is **42.9884, 42.1427, 100.4764**.

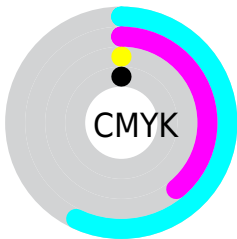
Distribution



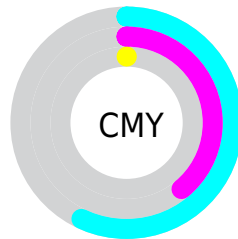
- Red (43%)
- Green (61%)
- Blue (100%)



- Red (43%)
- Yellow (56%)
- Blue (100%)



- Cyan (57%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2018, 33.9777, 99.2581 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 36.2018, 33.9777, 99.2581 by changing the saturation by 10% instead.

■ 36.2018, 33.9777,
99.2581

■ 36.2018, 33.9777,
99.2581

321.2576,
320.0326, 579.0378

■ 24.7609, 22.8765,
75.0677

■ 68.6653, 65.8990,
162.1802

■ 16.0268, 14.5023,
55.1663

■ 90.4186, 87.4878,
201.7490

■ 9.6341, 8.4709,
39.1354

■ 116.3400,
113.3413, 247.2810

■ 5.2174, 4.3977,
26.5564

146.7950,
143.8439, 299.1947

■ 2.4115, 1.8984,
17.0109

182.1489,
179.3799, 357.9087

■ 0.8508, 0.5474,
10.0802

222.7671,

■ 0.0000, 0.0000,

220.3338, 423.8415

5.3459

269.0149,
267.0899, 497.4117

■ 0.0000, 0.0000,
2.3893

■ 0.0000, 0.0000,
0.7806

■ 36.2018, 33.9777,
99.2581

■ 36.2018, 33.9777,
99.2581

■ 30.7565, 27.1379,
98.2248

■ 42.9884, 42.1427,
100.4764

■ 26.5499, 21.5417,
97.3664

■ 51.2010, 51.7008,
101.8884

■ 23.4687, 17.1020,
96.6718

■ 60.9212, 62.7187,
103.5028

■ 21.3716, 13.7144,
96.1285

■ 72.2233, 75.2575,
105.3273

■ 20.8555, 12.8310,
95.9852

■ 85.1762, 89.3748,
107.3695

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.



28.1897, 33.9777, 98.4702



36.2018, 33.9777, 99.2581



44.3479, 33.9777, 79.2063

Triad

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



36.2018, 33.9777, 99.2581



44.8319, 33.9777, 13.8791



19.5307, 33.9777, 26.0141

Complementary

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



36.2018, 33.9777, 99.2581



67.1029, 68.4820, 24.4357

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.



22.6511, 33.9777, 13.3058



36.2018, 33.9777, 99.2581



36.7802, 33.9777, 8.5698

Square

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



36.2018, 33.9777, 99.2581



49.8652, 33.9777, 27.2403



28.6795, 33.9777, 8.4164



19.4287, 33.9777, 48.8403

Rectangle

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



36.2018, 33.9777, 99.2581



48.3900, 33.9777, 60.1819



28.6795, 33.9777, 8.4164



20.2345, 33.9777, 20.6922

Sweetspot

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



36.2030, 33.9788, 99.2582



72.0535, 75.0709, 105.3003



53.7106, 79.4432, 72.8805



14.9095, 15.5033, 22.4566



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.



36.2030, 33.9788, 99.2582



30.2162, 26.4385, 98.1183



33.8761, 23.6572, 97.3886



17.4628, 18.2972, 22.8613



11.0135, 6.9365, 50.1930



1.1647, 0.8600, 4.9179

Inverse Universe

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



52.7333, 34.7801, 34.9450



48.6293, 28.9953, 26.1068



70.7026, 89.2084, 28.2465



18.2415, 18.0799, 19.8889



22.3473, 11.4282, 5.2133



2.2225, 1.1314, 0.7530

Previews

White Background



This preview shows how the XYZ color 36.2018, 33.9777, 99.2581 looks on a white background.

Color Contrast Check

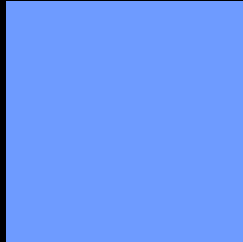
Large Text (above 18pt) WCAG AA × Fail

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 36.2018, 33.9777, 99.2581 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

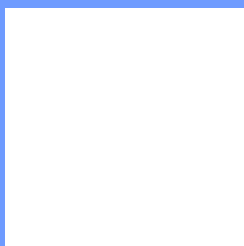
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2018, 33.9777, 99.2581

Background



This preview shows how black text looks on a background with the XYZ color 36.2018, 33.9777, 99.2581.



This preview shows how white text looks on a background with the XYZ color 36.2018, 33.9777,

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

36.2018, 33.9777, 99.2581

Protanopia

36.9162, 34.1185, 98.4058

Deuteranopia

34.9834, 33.8664, 98.4590



Tritanopia

26.5061, 34.0040, 50.5138

Trichromacy



Original Color

36.2018, 33.9777, 99.2581

Protanomaly

36.5152, 33.9118, 98.3870

Deuteranomaly

35.2573, 33.7575, 98.4235

Tritanomaly

29.5016, 33.8387, 65.9494

Monochromacy



Original Color

36.2018, 33.9777, 99.2581

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.1664, 32.1473, 53.2776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2018, 33.9777, 99.2581 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(110, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(110, 155, 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(110, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 155, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.2018, 33.9777, 99.2581 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(110, 155, 255) }
```


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

```
.border{ border-color:rgb(110, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(110, 155,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2018, 33.9777, 99.2581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 155, 255) }
```

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

```
.background{ background-color: rgb(110,  
155, 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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