

Converting Colors

XYZ(36.2223, 33.4547, 75.8141)

Have a look what the booklet for
XYZ(36.2223, 33.4547, 75.8141)
contains.

XYZ(36.3343, 33.5892, 75.8025)	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(36.3343, 33.5892,
75.8025)**

Conversions

Conversions Part 1

Format	Color
Hex	9197E1
RGB	145, 151, 225
RGB Percent	57%, 59%, 88%
CMY	0.4314, 0.4078, 0.1176
CMYK	0.36, 0.33, 0.00, 0.12
HSL	236°, 57%, 73%
HSV	236°, 36%, 88%
XYZ	36.3343, 33.5892, 75.8025
YIQ	157.6420, -27.3300, 21.7420

Conversions

Conversions Part 2

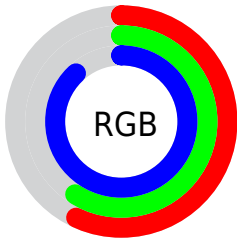
Format	Color
RYB	145, 151, 225
Decimal	9541601
CIELab	64.64, 15.31, -38.23
CIELCh	65, 41.184, 291.830
Yxy	33.5892, 0.2493, 0.2305
Android (android.graphics.Color)	4287731681 (0xFF9197E1)
YUV	157.6420, 33.2075, -11.0870
Hunter-Lab	57.9562, 10.4831, -36.9777

Details

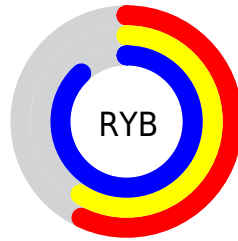
The XYZ color **36.3343, 33.5892, 75.8025** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.4947, 68.7162, 36.8120**, and the grayscale version is **32.2018, 33.8788, 36.8940**.

A 20% lighter version of the original color is **63.9687, 63.3002, 103.4544**, and **16.0330, 14.2031, 39.4326** is the 20% darker color. If you saturate the color by 10%, you get **29.6962, 25.6266, 74.6160**, and if you desaturate by 10%, it is **44.3512, 43.1416, 77.2244**.

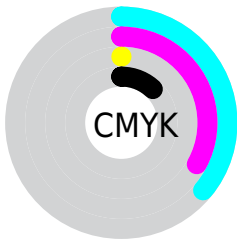
Distribution



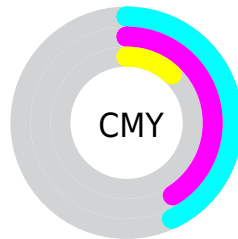
- Red (57%)
- Green (59%)
- Blue (88%)



- Red (57%)
- Yellow (59%)
- Blue (88%)



- Cyan (36%)
- Magenta (33%)
- Yellow (0%)
- Black (12%)



- Cyan (43%)
- Magenta (41%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3343, 33.5892, 75.8025 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 36.3343, 33.5892, 75.8025 by changing the saturation by 10% instead.

■ 36.3343, 33.5892,
75.8025

■ 36.3343, 33.5892,
75.8025

321.8252,
318.2964, 500.0002

■ 24.8638, 22.5782,
55.7649

■ 68.8682, 65.2943,
129.2052

■ 16.1038, 14.2824,
39.6117

■ 90.6624, 86.7572,
163.4074

■ 9.6889, 8.3173,
26.9245

116.6285,
112.4729, 203.1682

■ 5.2539, 4.2987,
17.2846

147.1318,
142.8257, 248.9061

■ 2.4333, 1.8420,
10.2735

182.5378,
178.2001, 301.0398

■ 0.8617, 0.5131,
5.4727

223.2118,

■ 0.0000, 0.0000,

218.9804, 359.9876

2.4636

269.5191,
265.5510, 426.1682

■ 0.0000, 0.0000,
0.8208

■ 0.0000, 0.0000,
0.0000

■ 36.3343, 33.5892,
75.8025

■ 36.3343, 33.5892,
75.8025

■ 29.6962, 25.6266,
74.6160

■ 44.3512, 43.1416,
77.2244

■ 24.3556, 19.1637,
73.6501

■ 53.8148, 54.3598,
78.8909

■ 20.2283, 14.1076,
72.8917

■ 64.7930, 67.3191,
80.8137

■ 17.2186, 10.3529,
72.3256

■ 77.3482, 82.0895,
83.0029

■ 15.2162, 7.7796,
71.9344

■ 90.5907, 98.2163,
85.4178

■ 14.0881, 6.2452,
71.6977

■ 13.7892, 5.8333,
71.6339

Harmonies

Analogous

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



30.3397, 33.5892, 79.1017



36.3343, 33.5892, 75.8025



41.7048, 33.5892, 60.5613

Triad

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



36.3343, 33.5892, 75.8025



39.4653, 33.5892, 16.5092



21.9579, 33.5892, 32.1455

Complementary

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



36.3343, 33.5892, 75.8025



61.4947, 68.7162, 36.8120

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.



23.8086, 33.5892, 19.9392



36.3343, 33.5892, 75.8025



33.5657, 33.5892, 12.9121

Square

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



36.3343, 33.5892, 75.8025



43.6620, 33.5892, 25.7693



27.8886, 33.5892, 13.9375



22.5067, 33.5892, 50.0392

Rectangle

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



36.3343, 33.5892, 75.8025



43.9681, 33.5892, 47.6738



27.8886, 33.5892, 13.9375



22.3109, 33.5892, 27.3447

Sweetspot

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



36.3355, 33.5905, 75.8033



77.7469, 79.6110, 105.8765



51.3019, 64.9505, 76.3921



16.2223, 16.5455, 22.5885



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.



36.3355, 33.5905, 75.8033



41.2740, 36.2420, 99.4278



42.1540, 35.1930, 75.8059



13.0342, 13.4075, 17.2886



7.9779, 3.4255, 41.2891



0.5823, 0.2960, 2.8717

Inverse Universe

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



46.7637, 38.4941, 34.2447



57.2162, 43.9368, 35.8506



53.6910, 67.0586, 36.9034



13.7487, 13.7171, 14.4470



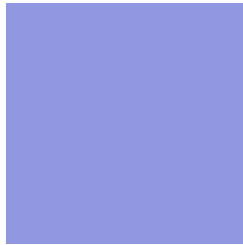
17.9671, 9.2538, 1.2266



1.2602, 0.6473, 0.1629

Previews

White Background



This preview shows how the XYZ color 36.3343, 33.5892, 75.8025 looks on a white background.

Color Contrast Check

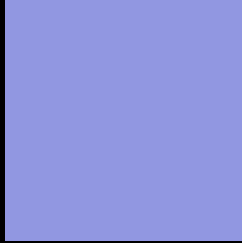
Large Text (above 18pt) WCAG AA × Fail

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 36.3343, 33.5892, 75.8025 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 36.3343, 33.5892, 75.8025

Background



This preview shows how black text looks on a background with the XYZ color 36.3343, 33.5892, 75.8025.



This preview shows how white text looks on a background with the XYZ color 36.3343, 33.5892,

75.8025.

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

36.3343, 33.5892, 75.8025

Protanopia

35.2321, 33.6992, 78.0465

Deuteranopia

34.5360, 33.6498, 75.1958



Tritanopia

30.0577, 33.5323, 44.9326

Trichromacy



Original Color

36.3343, 33.5892, 75.8025

Protanomaly

35.5729, 33.6469, 77.2926

Deuteranomaly

35.1635, 33.7273, 75.1777

Tritanomaly

31.9991, 33.2826, 55.1897

Monochromacy



Original Color

36.3343, 33.5892, 75.8025

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.3017, 33.5924, 48.9848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3343, 33.5892, 75.8025 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(145, 151, 225)` looks like.

```
.text, #text, p{  
    color:rgb(145, 151, 225)  
}
```

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(145, 151, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 151, 225) }
```

Border

The CSS property to change the border of an element to XYZ 36.3343, 33.5892, 75.8025 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(145, 151, 225) }
```


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

```
.border{ border-color:rgb(145, 151, 225) }
```

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

Here you see how a box with a 4 pixel rgb(145, 151, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 151, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 151, 225);  
box-shadow:4px 4px 4px 4px rgb(145, 151,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3343, 33.5892, 75.8025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 151, 225) }
```

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

```
.background{ background-color: rgb(145,  
151, 225) }
```

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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