

Converting Colors

XYZ(36.7620, 35.1443, 76.9159)

Have a look what the booklet for
XYZ(36.7620, 35.1443, 76.9159)
contains.

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Color

**XYZ(36.7689, 35.2676,
76.8209)**

Conversions

Conversions Part 1

Format	Color
Hex	8D9DE2
RGB	141, 157, 226
RGB Percent	55%, 62%, 89%
CMY	0.4470, 0.3843, 0.1137
CMYK	0.38, 0.31, 0.00, 0.11
HSL	229°, 59%, 72%
HSV	229°, 38%, 89%
XYZ	36.7689, 35.2676, 76.8209
YIQ	160.0820, -31.6850, 18.0670

Conversions

Conversions Part 2

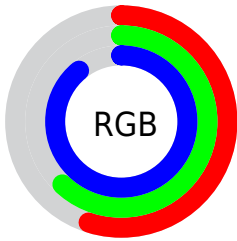
Format	Color
RYB	141, 154, 226
Decimal	9280994
CIELab	65.96, 11.06, -36.74
CIELCh	66, 38.372, 286.752
Yxy	35.2676, 0.2470, 0.2369
Android (android.graphics.Color)	4287471074 (0xFF8D9DE2)
YUV	160.0820, 32.4976, -16.7349
Hunter-Lab	59.3865, 6.5910, -35.1255

Details

The XYZ color **36.7689, 35.2676, 76.8209** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.2193, 64.1862, 34.4687**, and the grayscale version is **33.3178, 35.0529, 38.1726**.

A 20% lighter version of the original color is **64.3702, 65.6788, 103.8924**, and **16.3402, 15.2366, 40.1099** is the 20% darker color. If you saturate the color by 10%, you get **30.4367, 27.7369, 75.7017**, and if you desaturate by 10%, it is **44.3537, 44.1373, 78.1338**.

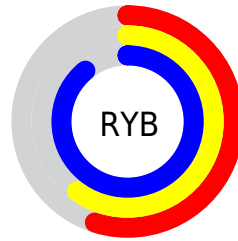
Distribution



Red (55%)

Green (62%)

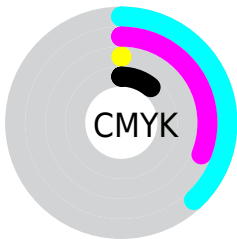
Blue (89%)



Red (55%)

Yellow (60%)

Blue (89%)

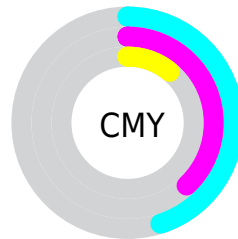


Cyan (38%)

Magenta (31%)

Yellow (0%)

Black (11%)



Cyan (45%)

Magenta (38%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7689, 35.2676, 76.8209 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 36.7689, 35.2676, 76.8209 by changing the saturation by 10% instead.

■ 36.7689, 35.2676,
76.8209

■ 36.7689, 35.2676,
76.8209

■ 323.6818,
325.7479, 503.5746

■ 25.2015, 23.8691,
56.5952

■ 69.5334, 67.9001,
130.6573

■ 16.3567, 15.2365,
40.2731

■ 91.4611, 89.9029,
165.1052

■ 9.8694, 8.9856,
27.4362

■ 117.5729,
116.2092, 205.1308

■ 5.3740, 4.7318,
17.6657

■ 148.2343,
147.2035, 251.1527

■ 2.5054, 2.0908,
10.5433

■ 183.8105,
183.2701, 303.5895

■ 0.8980, 0.6594,
5.6504

■ 224.6669,

■ 0.0000, 0.0000,

224.7935, 362.8598

2.5683

271.1689,
272.1579, 429.3819

■ 0.0000, 0.0000,
0.8760

■ 0.0000, 0.0000,
0.0000

■ 36.7689, 35.2676,
76.8209

■ 36.7689, 35.2676,
76.8209

■ 30.4367, 27.7369,
75.7017

■ 44.3537, 44.1373,
78.1338

■ 25.2847, 21.4750,
74.7646

■ 53.2508, 54.4035,
79.6465

■ 21.2386, 16.4112,
74.0004

■ 63.5203, 66.1252,
81.3677

■ 18.2137, 12.4662,
73.3984

■ 75.2177, 79.3565,
83.3051

■ 16.1125, 9.5499,
72.9462

■ 88.3953, 94.1490,
85.4658

■ 14.8088, 7.5531,
72.6295

■ 90.7276, 98.2710,
86.1385

■ 14.5748, 7.1856,
72.5709

Harmonies

Analogous

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



31.0794, 35.2676, 77.6098



36.7689, 35.2676, 76.8209



42.1235, 35.2676, 64.0697

Triad

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



36.7689, 35.2676, 76.8209



41.5757, 35.2676, 19.8236



23.9727, 35.2676, 31.6684

Complementary

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



36.7689, 35.2676, 76.8209



59.2193, 64.1862, 34.4687

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.



26.1772, 35.2676, 20.7070



36.7689, 35.2676, 76.8209



36.0868, 35.2676, 15.2893

Square

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



36.7689, 35.2676, 76.8209



45.1062, 35.2676, 30.0707



30.4698, 35.2676, 15.5588



24.1113, 35.2676, 48.1417

Rectangle

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



36.7689, 35.2676, 76.8209



44.5922, 35.2676, 52.1190



30.4698, 35.2676, 15.5588



24.4527, 35.2676, 27.3288

Sweetspot

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



36.7701, 35.2689, 76.8217



78.6341, 81.3855, 106.1722



49.6905, 64.6598, 70.1841



16.4319, 16.9648, 22.6584



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.



36.7701, 35.2689, 76.8217



41.8012, 38.6049, 99.8561



39.0845, 32.7033, 76.2045



13.1598, 13.6587, 17.3305



8.3787, 4.2270, 41.4226



0.6418, 0.4151, 2.8915

Inverse Universe

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



46.9758, 37.6541, 36.6916



57.1629, 42.6926, 39.3400



55.9582, 68.6649, 35.5051



13.8121, 13.7425, 14.7808



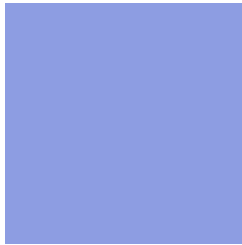
18.1694, 9.3348, 2.2918



1.2902, 0.6594, 0.3212

Previews

White Background



This preview shows how the XYZ color 36.7689, 35.2676, 76.8209 looks on a white background.

Color Contrast Check

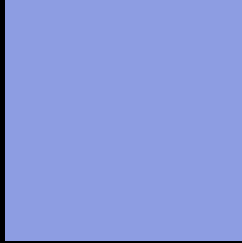
Large Text (above 18pt) WCAG AA × Fail

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 36.7689, 35.2676, 76.8209 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 36.7689, 35.2676, 76.8209

Background



This preview shows how black text looks on a background with the XYZ color 36.7689, 35.2676, 76.8209.



This preview shows how white text looks on a background with the XYZ color 36.7689, 35.2676,

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

36.7689, 35.2676, 76.8209

Protanopia

36.4356, 35.3480, 76.8540

Deuteranopia

36.1077, 35.1789, 76.8386



Tritanopia

30.9788, 35.2729, 47.8234

Trichromacy



Original Color

36.7689, 35.2676, 76.8209

Protanomaly

36.6018, 35.4337, 76.8618

Deuteranomaly

36.4356, 35.3480, 76.8540

Tritanomaly

32.8925, 35.2482, 57.2945

Monochromacy



Original Color

36.7689, 35.2676, 76.8209

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.1867, 35.0293, 50.3069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7689, 35.2676, 76.8209 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(141, 157, 226)` looks like.

```
.text, #text, p{  
    color:rgb(141, 157, 226)  
}
```

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(141, 157, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 157, 226) }
```

Border

The CSS property to change the border of an element to XYZ 36.7689, 35.2676, 76.8209 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(141, 157, 226) }
```


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

```
.border{ border-color:rgb(141, 157, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 157, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 157, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 157, 226);  
box-shadow:4px 4px 4px 4px rgb(141, 157,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7689, 35.2676, 76.8209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 157, 226) }
```

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

```
.background{ background-color: rgb(141,  
157, 226) }
```

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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