

Converting Colors

XYZ(36.3797, 32.6152, 61.6680)

Have a look what the booklet for
XYZ(36.3797, 32.6152, 61.6680)
contains.

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Color

**XYZ(36.3343, 32.5029,
61.4854)**

Conversions

Conversions Part 1

Format	Color
Hex	A491CC
RGB	164, 145, 204
RGB Percent	64%, 57%, 80%
CMY	0.3569, 0.4314, 0.2000
CMYK	0.20, 0.29, 0.00, 0.20
HSL	259°, 37%, 68%
HSV	259°, 29%, 80%
XYZ	36.3343, 32.5029, 61.4854
YIQ	157.4070, -7.6150, 22.3770

Conversions

Conversions Part 2

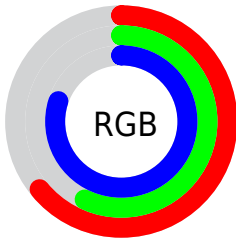
Format	Color
RYB	164, 145, 204
Decimal	10785228
CIELab	63.76, 19.10, -27.80
CIELCh	64, 33.730, 304.495
Yxy	32.5029, 0.2788, 0.2494
Android (android.graphics.Color)	4288975308 (0xFFA491CC)
YUV	157.4070, 22.9703, 5.7821
Hunter-Lab	57.0113, 13.9913, -24.0350

Details

The XYZ color **36.3343, 32.5029, 61.4854** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.7122, 55.5451, 35.0487**, and the grayscale version is **32.1341, 33.8076, 36.8165**.

A 20% lighter version of the original color is **67.9886, 63.2825, 103.2391**, and **16.0633, 13.5869, 30.6301** is the 20% darker color. If you saturate the color by 10%, you get **30.7919, 25.4269, 60.4123**, and if you desaturate by 10%, it is **42.7490, 40.8609, 62.7611**.

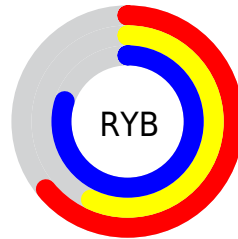
Distribution



Red (64%)

Green (57%)

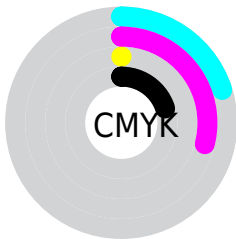
Blue (80%)



Red (64%)

Yellow (57%)

Blue (80%)

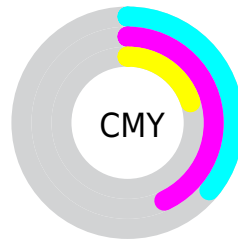


Cyan (20%)

Magenta (29%)

Yellow (0%)

Black (20%)



Cyan (36%)

Magenta (43%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3343, 32.5029, 61.4854 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, 32.5029, 61.4854 by changing the saturation by 10% instead.

■ 36.3343, 32.5029,
61.4854

■ 36.3343, 32.5029,
61.4854

321.8252,
313.4038, 448.0072

■ 24.8638, 21.7459,
44.1839

■ 68.8682, 63.5987,
108.5458

■ 16.1038, 13.6703,
30.4769

■ 90.6624, 84.7062,
139.1418

■ 9.6889, 7.8917,
19.9457

116.6285,
110.0327, 175.0064

■ 5.2539, 4.0257,
12.1719

147.1318,
139.9626, 216.5582

■ 2.4333, 1.6880,
6.7369

182.5378,
174.8803, 264.2156

■ 0.8617, 0.4159,
3.2222

223.2118,

■ 0.0000, 0.0000,

215.1701, 318.3972

1.2092

269.5191,
261.2165, 379.5216

■ 0.0000, 0.0000,
0.0000

■ 36.3343, 32.5029,
61.4854

■ 36.3343, 32.5029,
61.4854

■ 30.7919, 25.4269,
60.4123

■ 42.7490, 40.8609,
62.7611

■ 26.0788, 19.5641,
59.5290

■ 50.0698, 50.5573,
64.2468

■ 22.1527, 14.8447,
58.8250

■ 58.3329, 61.6499,
65.9524

■ 18.9664, 11.1904,
58.2876

■ 67.5712, 74.1918,
67.8863

■ 16.4668, 8.5124,
57.9024

■ 77.8162, 88.2333,
70.0567

■ 14.5926, 6.7069,
57.6527

■ 85.0121, 95.6513,
71.1092

■ 13.2507, 5.6074,
57.5112

■ 87.8992, 97.1397,
71.2443

■ 13.1254, 5.5073,
57.4985

Harmonies

Analogous

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



31.6111, 32.5029, 68.2188



36.3343, 32.5029, 61.4854



39.8484, 32.5029, 47.8300

Triad

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



36.3343, 32.5029, 61.4854



34.9763, 32.5029, 16.7051



22.6855, 32.5029, 37.4705

Complementary

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



36.3343, 32.5029, 61.4854



46.7122, 55.5451, 35.0487

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.



23.3912, 32.5029, 25.3191



36.3343, 32.5029, 61.4854



30.1859, 32.5029, 15.2589

Square

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



36.3343, 32.5029, 61.4854



39.0099, 32.5029, 22.5954



26.0241, 32.5029, 17.9732



23.9882, 32.5029, 52.2825

Rectangle

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



36.3343, 32.5029, 61.4854



40.8572, 32.5029, 37.9478



26.0241, 32.5029, 17.9732



22.6969, 32.5029, 32.9500

Sweetspot

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



36.3354, 32.5042, 61.4861



82.6662, 83.3889, 106.3464



39.9924, 45.2110, 63.7460



17.2918, 17.3129, 22.6803



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.



36.3354, 32.5042, 61.4861



54.0152, 45.9360, 100.6274



43.0645, 35.9732, 61.8011



10.9362, 11.0164, 14.1204



8.3481, 3.5111, 36.1940



0.5100, 0.2220, 1.8709

Inverse Universe

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



43.7851, 36.5922, 50.6553



68.5939, 53.9468, 78.9355



40.3796, 52.2805, 34.7523



11.5279, 11.3399, 13.3144



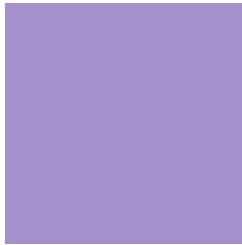
18.6190, 9.2582, 16.2443



0.9943, 0.4911, 1.0157

Previews

White Background



This preview shows how the XYZ color 36.3343, 32.5029, 61.4854 looks on a white background.

Color Contrast Check

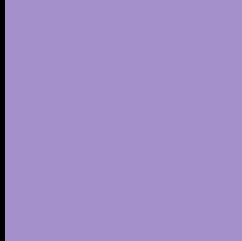
Large Text (above 18pt) WCAG AA × Fail

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, 32.5029, 61.4854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

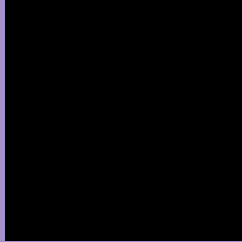
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3343, 32.5029, 61.4854

Background



This preview shows how black text looks on a background with the XYZ color 36.3343, 32.5029, 61.4854.



This preview shows how white text looks on a background with the XYZ color 36.3343, 32.5029,

61.4854.

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, 32.5029, 61.4854

Protanopia

33.3423, 32.5129, 65.4911

Deuteranopia

33.3354, 32.6079, 61.0369



Tritanopia

32.0874, 32.6672, 40.2115

Trichromacy



Original Color

36.3343, 32.5029, 61.4854

Protanomaly

34.1652, 32.2520, 64.0991

Deuteranomaly

34.2894, 32.3860, 60.9438

Tritanomaly

33.5402, 32.5409, 47.1611

Monochromacy



Original Color

36.3343, 32.5029, 61.4854

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.5284, 33.3120, 44.7071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3343, 32.5029, 61.4854 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(164, 145, 204)` looks like.

```
.text, #text, p{  
    color:rgb(164, 145, 204)  
}
```

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(164, 145, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 145, 204) }
```

Border

The CSS property to change the border of an element to XYZ 36.3343, 32.5029, 61.4854 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(164, 145, 204) }
```


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

```
.border{ border-color:rgb(164, 145, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 145, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 145, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 145, 204);  
box-shadow:4px 4px 4px 4px rgb(164, 145,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3343, 32.5029, 61.4854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 145, 204) }
```

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

```
.background{ background-color: rgb(164,  
145, 204) }
```

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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