

Converting Colors

XYZ(36.6108, 32.2099, 60.2982)

Have a look what the booklet for
XYZ(36.6108, 32.2099, 60.2982)
contains.

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Color

**XYZ(36.6316, 32.2340,
60.1682)**

Conversions

Conversions Part 1

Format	Color
Hex	A88FCA
RGB	168, 143, 202
RGB Percent	66%, 56%, 79%
CMY	0.3412, 0.4392, 0.2078
CMYK	0.17, 0.29, 0.00, 0.21
HSL	265°, 36%, 68%
HSV	265°, 29%, 79%
XYZ	36.6316, 32.2340, 60.1682
YIQ	157.2010, -4.0390, 23.6490

Conversions

Conversions Part 2

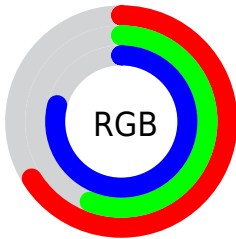
Format	Color
RYB	168, 143, 202
Decimal	11046858
CIELab	63.54, 21.04, -26.99
CIELCh	64, 34.223, 307.937
Yxy	32.2340, 0.2839, 0.2498
Android (android.graphics.Color)	4289236938 (0xFFA88FCA)
YUV	157.2010, 22.0859, 9.4707
Hunter-Lab	56.7750, 15.8131, -23.0910

Details

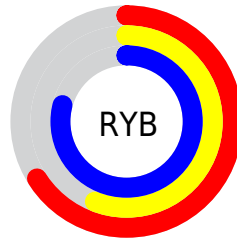
The XYZ color **36.6316, 32.2340, 60.1682** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.2108, 53.5721, 33.9982**, and the grayscale version is **32.0441, 33.7129, 36.7134**.

A 20% lighter version of the original color is **68.7567, 62.9998, 103.1440**, and **16.2427, 13.4372, 29.7545** is the 20% darker color. If you saturate the color by 10%, you get **31.4997, 25.4855, 59.1366**, and if you desaturate by 10%, it is **42.5335, 40.1915, 61.3936**.

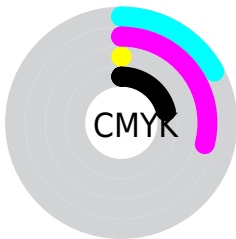
Distribution



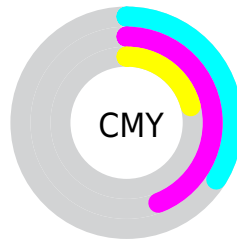
- Red (66%)
- Green (56%)
- Blue (79%)



- Red (66%)
- Yellow (56%)
- Blue (79%)



- Cyan (17%)
- Magenta (29%)
- Yellow (0%)
- Black (21%)



- Cyan (34%)
- Magenta (44%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6316, 32.2340, 60.1682 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 36.6316, 32.2340, 60.1682 by changing the saturation by 10% instead.

■ 36.6316, 32.2340,
60.1682

■ 36.6316, 32.2340,
60.1682

323.0961,
312.1838, 443.0393

■ 25.0947, 21.5403,
43.1280

■ 69.3233, 63.1777,
106.6194

■ 16.2768, 13.5195,
29.6534

■ 91.2089, 84.1966,
136.8675

■ 9.8123, 7.7872,
19.3259

117.2748,
109.4259, 172.3553

■ 5.3360, 3.9591,
11.7268

147.8864,
139.2501, 213.5014

■ 2.4825, 1.6507,
6.4377

183.4089,
174.0536, 260.7243

■ 0.8864, 0.3914,
3.0399

224.2078,

■ 0.0000, 0.0000,

214.2208, 314.4426

1.1151

270.6484,
260.1361, 375.0747

■ 0.0000, 0.0000,
0.0000

■ 36.6316, 32.2340,
60.1682

■ 36.6316, 32.2340,
60.1682

■ 31.4997, 25.4855,
59.1366

■ 42.5335, 40.1915,
61.3936

■ 27.0995, 19.8805,
58.2866

■ 49.2349, 49.4112,
62.8200

■ 23.3940, 15.3529,
57.6080

■ 56.7676, 59.9478,
64.4567

■ 20.3413, 11.8284,
57.0886

■ 65.1605, 71.8515,
66.3120

■ 17.8942, 9.2225,
56.7146

■ 74.4413, 85.1701,
68.3936

■ 15.9980, 7.4361,
56.4698

■ 81.6292, 93.9349,
69.7066

■ 14.5637, 6.3022,
56.3265

■ 85.6617, 96.0138,
69.8953

■ 14.4612, 6.2235,
56.3167

■ 87.6608, 97.0443,
69.9888

Harmonies

Analogous

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



31.9220, 32.2340, 68.0852



36.6316, 32.2340, 60.1682



39.9517, 32.2340, 45.9216

Triad

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



36.6316, 32.2340, 60.1682



34.2147, 32.2340, 15.9428



22.4190, 32.2340, 38.8524

Complementary

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



36.6316, 32.2340, 60.1682



44.2108, 53.5721, 33.9982

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.



22.8966, 32.2340, 26.1235



36.6316, 32.2340, 60.1682



29.3878, 32.2340, 14.9749

Square

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



36.6316, 32.2340, 60.1682



38.4584, 32.2340, 21.2942



25.3357, 32.2340, 18.1846



23.9559, 32.2340, 53.8578

Rectangle

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



36.6316, 32.2340, 60.1682



40.7518, 32.2340, 36.0516



25.3357, 32.2340, 18.1846



22.3526, 32.2340, 34.1600

Sweetspot

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



36.6327, 32.2353, 60.1689



83.4613, 83.7988, 106.3836



37.7940, 41.7141, 61.9373



17.4869, 17.4135, 22.6894



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.



36.6327, 32.2353, 60.1689



56.4243, 47.1780, 100.7401



43.5318, 35.7920, 60.4918



11.0448, 11.0724, 14.1254



9.4026, 4.0548, 36.2433



0.5711, 0.2536, 1.8738

Inverse Universe

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



42.1163, 35.3770, 46.2047



67.3789, 53.4609, 72.5378



38.2772, 50.5132, 33.7205



11.4788, 11.3202, 13.0557



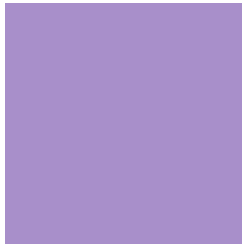
17.7627, 8.9157, 11.7348



0.9538, 0.4749, 0.8026

Previews

White Background



This preview shows how the XYZ color 36.6316, 32.2340, 60.1682 looks on a white background.

Color Contrast Check

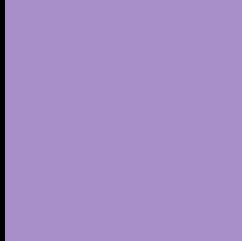
Large Text (above 18pt) WCAG AA × Fail

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 36.6316, 32.2340, 60.1682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

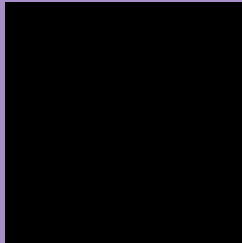
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6316, 32.2340, 60.1682

Background



This preview shows how black text looks on a background with the XYZ color 36.6316, 32.2340, 60.1682.



This preview shows how white text looks on a background with the XYZ color 36.6316, 32.2340,

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

36.6316, 32.2340, 60.1682

Protanopia

33.2181, 32.4632, 64.8368

Deuteranopia

32.9935, 32.2326, 59.1262



Tritanopia

32.2861, 32.3189, 38.7189

Trichromacy



Original Color

36.6316, 32.2340, 60.1682

Protanomaly

34.2825, 32.3407, 62.8280

Deuteranomaly

34.2694, 32.1692, 59.6614

Tritanomaly

33.8356, 32.2466, 46.0359

Monochromacy



Original Color

36.6316, 32.2340, 60.1682

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.4690, 33.0507, 44.1506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6316, 32.2340, 60.1682 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(168, 143, 202)` looks like.

```
.text, #text, p{  
    color:rgb(168, 143, 202)  
}
```

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(168, 143, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 143, 202) }
```

Border

The CSS property to change the border of an element to XYZ 36.6316, 32.2340, 60.1682 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(168, 143, 202) }
```


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

```
.border{ border-color:rgb(168, 143, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 143, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 143, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 143, 202);  
box-shadow:4px 4px 4px 4px rgb(168, 143,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6316, 32.2340, 60.1682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 143, 202) }
```

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

```
.background{ background-color: rgb(168,  
143, 202) }
```

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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