

Converting Colors

XYZ(38.1349, 32.4586, 65.3070)

Have a look what the booklet for
XYZ(38.1349, 32.4586, 65.3070)
contains.

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Color

**XYZ(38.1710, 32.4736,
65.2290)**

Conversions

Conversions Part 1

Format	Color
Hex	AC8DD2
RGB	172, 141, 210
RGB Percent	67%, 55%, 82%
CMY	0.3255, 0.4470, 0.1765
CMYK	0.18, 0.33, 0.00, 0.18
HSL	267°, 43%, 69%
HSV	267°, 33%, 82%
XYZ	38.1710, 32.4736, 65.2290
YIQ	158.1350, -3.6730, 28.0310

Conversions

Conversions Part 2

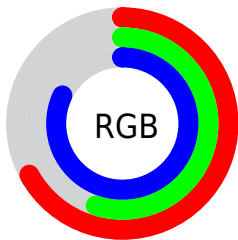
Format	Color
RYB	172, 141, 210
Decimal	11308498
CIELab	63.73, 25.22, -31.13
CIElCh	64, 40.064, 309.013
Yxy	32.4736, 0.2809, 0.2390
Android (android.graphics.Color)	4289498578 (0xFFAC8DD2)
YUV	158.1350, 25.5694, 12.1596
Hunter-Lab	56.9856, 19.8409, -27.9768

Details

The XYZ color **38.1710, 32.4736, 65.2290** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.4458, 57.6008, 33.8709**, and the grayscale version is **32.4504, 34.1404, 37.1789**.

A 20% lighter version of the original color is **69.5600, 62.7442, 103.0524**, and **17.1803, 13.6008, 32.7301** is the 20% darker color. If you saturate the color by 10%, you get **32.9345, 25.6057, 64.1799**, and if you desaturate by 10%, it is **44.2177, 40.6322, 66.4856**.

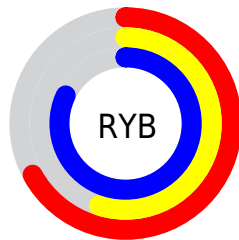
Distribution



Red (67%)

Green (55%)

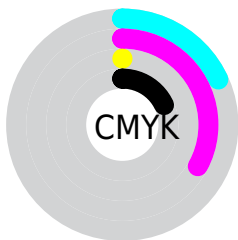
Blue (82%)



Red (67%)

Yellow (55%)

Blue (82%)

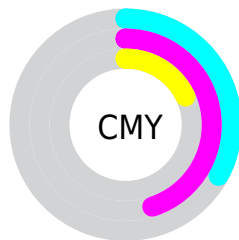


Cyan (18%)

Magenta (33%)

Yellow (0%)

Black (18%)



Cyan (33%)


Magenta (45%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1710, 32.4736, 65.2290 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 38.1710, 32.4736, 65.2290 by changing the saturation by 10% instead.


 38.1710, 32.4736,
65.2290


 38.1710, 32.4736,
65.2290

329.6211,
313.2710, 461.9432

 26.2932, 21.7235,
47.1943


 71.6724, 63.5528,
113.9955

 17.1770, 13.6539,
32.8338

 94.0267, 84.6507,
145.5643

 10.4568, 7.8803,
21.7291


 120.6039,
109.9667, 182.4815

 5.7675, 4.0185,
13.4616

151.7694,
139.8851, 225.1657

 2.7435, 1.6839,
7.6127

187.8885,
174.7903, 274.0354

 1.0196, 0.4132,
3.7639

229.3266,

 0.0000, 0.0000,

215.0668, 329.5092

1.4968

276.4490,
261.0989, 392.0056

■ 0.0000, 0.0000,
0.2155

■ 0.0000, 0.0000,
0.0000

■ 38.1710, 32.4736,
65.2290

■ 38.1710, 32.4736,
65.2290

■ 32.9345, 25.6057,
64.1799

■ 44.2177, 40.6322,
66.4856

■ 28.4661, 19.9550,
63.3247

■ 51.1073, 50.1416,
67.9580

■ 24.7243, 15.4467,
62.6517

■ 58.8747, 61.0628,
69.6566

■ 21.6622, 11.9957,
62.1470

■ 67.5516, 73.4519,
71.5906

19.2262, 9.5043,
61.7945

77.1683, 87.3620,
73.7687

17.3527, 7.8555,
61.5750

83.8034, 94.9434,
74.8823

16.2847, 7.0513,
61.4761

87.8863, 97.0483,
75.0734

88.6330, 97.4332,
75.1084

Harmonies

Analogous

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



32.5872, 32.4736, 75.5227



38.1710, 32.4736, 65.2290



42.0802, 32.4736, 47.6266

Triad

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



38.1710, 32.4736, 65.2290



34.8950, 32.4736, 13.6363



21.3844, 32.4736, 40.4255

Complementary

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



38.1710, 32.4736, 65.2290



46.4458, 57.6008, 33.8709

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.



21.8440, 32.4736, 25.4014



38.1710, 32.4736, 65.2290



29.2049, 32.4736, 12.7709

Square

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



38.1710, 32.4736, 65.2290



40.0352, 32.4736, 19.2497



24.5566, 32.4736, 16.3665



23.2146, 32.4736, 58.6070

Rectangle

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



38.1710, 32.4736, 65.2290



42.9648, 32.4736, 35.8936



24.5566, 32.4736, 16.3665



21.2815, 32.4736, 34.8282

Sweetspot

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



38.1721, 32.4749, 65.2297



82.4686, 82.2288, 106.1329



38.9600, 43.0000, 67.2197



17.2976, 17.1051, 22.6399



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.



38.1721, 32.4749, 65.2297



53.7439, 43.1572, 100.1053



46.4460, 36.7403, 65.6169



11.6608, 11.6740, 14.8824



10.0456, 4.3590, 37.5044



0.6524, 0.2905, 2.1013

Inverse Universe

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



44.2410, 36.0074, 47.2676



64.7259, 49.5553, 67.3358



39.6385, 54.0915, 33.5523



12.0773, 11.9156, 13.6827



18.1744, 9.1426, 11.0904



1.0559, 0.5271, 0.8291

Previews

White Background



This preview shows how the XYZ color 38.1710, 32.4736, 65.2290 looks on a white background.

Color Contrast Check

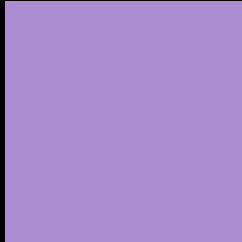
Large Text (above 18pt) WCAG AA × Fail

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 38.1710, 32.4736, 65.2290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

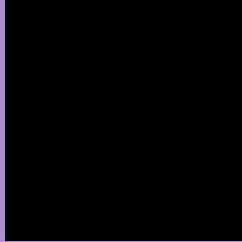
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1710, 32.4736, 65.2290

Background



This preview shows how black text looks on a background with the XYZ color 38.1710, 32.4736, 65.2290.



This preview shows how white text looks on a background with the XYZ color 38.1710, 32.4736,

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

38.1710, 32.4736, 65.2290

Protanopia

33.8459, 32.6393, 71.5340

Deuteranopia

33.4286, 32.5860, 64.2024



Tritanopia

32.7378, 32.3138, 38.6941

Trichromacy



Original Color

38.1710, 32.4736, 65.2290

Protanomaly

35.1973, 32.4336, 69.3710

Deuteranomaly

35.0474, 32.4587, 64.7395

Tritanomaly

34.5068, 32.3376, 47.0709

Monochromacy



Original Color

38.1710, 32.4736, 65.2290

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.2683, 33.4173, 46.2390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1710, 32.4736, 65.2290 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(172, 141, 210)` looks like.

```
.text, #text, p{  
    color:rgb(172, 141, 210)  
}
```

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(172, 141, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 141, 210) }
```

Border

The CSS property to change the border of an element to XYZ 38.1710, 32.4736, 65.2290 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(172, 141, 210) }
```


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

```
.border{ border-color:rgb(172, 141, 210) }
```

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

Here you see how a box with a 4 pixel rgb(172, 141, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 141, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 141, 210);  
box-shadow:4px 4px 4px 4px rgb(172, 141,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1710, 32.4736, 65.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 141, 210) }
```

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

```
.background{ background-color: rgb(172,  
141, 210) }
```

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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