

Converting Colors

XYZ(32.8276, 28.5550, 69.1805)

Have a look what the booklet for
XYZ(32.8276, 28.5550, 69.1805)
contains.

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Color

**XYZ(32.8301, 28.5474,
69.4255)**

Conversions

Conversions Part 1

Format	Color
Hex	9088D9
RGB	144, 136, 217
RGB Percent	56%, 53%, 85%
CMY	0.4353, 0.4667, 0.1490
CMYK	0.34, 0.37, 0.00, 0.15
HSL	246°, 52%, 69%
HSV	246°, 37%, 85%
XYZ	32.8301, 28.5474, 69.4255
YIQ	147.6260, -21.2330, 26.8870

Conversions

Conversions Part 2

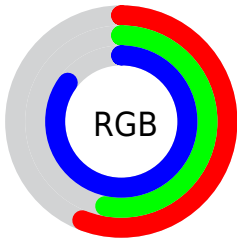
Format	Color
RYB	144, 136, 217
Decimal	9472217
CIELab	60.38, 21.59, -40.45
CIELCh	60, 45.853, 298.094
Yxy	28.5474, 0.2510, 0.2182
Android (android.graphics.Color)	4287662297 (0xFF9088D9)
YUV	147.6260, 34.2014, -3.1800
Hunter-Lab	53.4298, 16.1778, -39.6393

Details

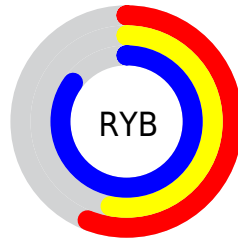
The XYZ color **32.8301, 28.5474, 69.4255** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **55.5519, 64.9592, 32.9041**, and the grayscale version is **27.8622, 29.3132, 31.9221**.

A 20% lighter version of the original color is **60.0670, 55.8946, 102.2306**, and **14.0658, 11.4379, 35.6488** is the 20% darker color. If you saturate the color by 10%, you get **26.9528, 21.4312, 68.3622**, and if you desaturate by 10%, it is **39.9198, 37.2080, 70.7240**.

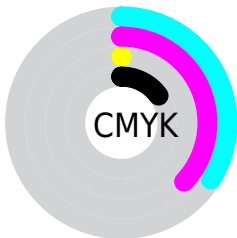
Distribution



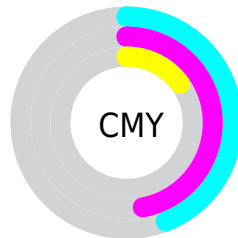
- Red (56%)
- Green (53%)
- Blue (85%)



- Red (56%)
- Yellow (53%)
- Blue (85%)



- Cyan (34%)
- Magenta (37%)
- Yellow (0%)
- Black (15%)



- Cyan (44%)
- Magenta (47%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8301, 28.5474, 69.4255 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 32.8301, 28.5474, 69.4255 by changing the saturation by 10% instead.

■ 32.8301, 28.5474,
69.4255

■ 32.8301, 28.5474,
69.4255

306.5620,
295.0734, 477.2648

■ 22.1549, 18.7387,
50.5844

■ 63.4666, 57.3572,
120.0625

■ 14.0880, 11.4816,
35.5035

■ 84.1587, 77.1271,
152.6956

■ 8.2640, 6.3918,
23.7644

■ 108.9205,
100.9862, 190.7630

■ 4.3176, 3.0847,
14.9483

138.1173,
129.3189, 234.6833

■ 1.8833, 1.1761,
8.6369

172.1145,
162.5096, 284.8751

■ 0.5671, 0.0421,
4.4116

211.2774,

■ 0.0000, 0.0000,

200.9426, 341.7569

1.8537

255.9715,
245.0024, 405.7473

■ 0.0000, 0.0000,
0.4631

■ 0.0000, 0.0000,
0.0000

■ 32.8301, 28.5474,
69.4255

■ 32.8301, 28.5474,
69.4255

■ 26.9528, 21.4312,
68.3622

■ 39.9198, 37.2080,
70.7240

■ 22.2167, 15.7655,
67.5182

■ 48.2816, 47.4934,
72.2686

■ 18.5481, 11.4508,
66.8788

■ 57.9749, 59.4819,
74.0717

■ 15.8630, 8.3739,
66.4264

■ 69.0544, 73.2460,
76.1445

■ 14.0646, 6.4028,
66.1407

■ 81.5717, 88.8540,
78.4974

■ 13.0306, 5.3642,
65.9948

■ 89.5245, 97.7898,
79.8030

■ 12.8430, 5.1740,
65.9679

Harmonies

Analogous

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



26.7581, 28.5474, 76.1367



32.8301, 28.5474, 69.4255



37.9405, 28.5474, 51.5958

Triad

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



32.8301, 28.5474, 69.4255



33.5774, 28.5474, 10.8646



17.3066, 28.5474, 30.0157

Complementary

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



32.8301, 28.5474, 69.4255



55.5519, 64.9592, 32.9041

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.



18.6023, 28.5474, 16.8869



32.8301, 28.5474, 69.4255



27.5123, 28.5474, 8.6154

Square

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



32.8301, 28.5474, 69.4255



38.4140, 28.5474, 18.1633



22.1371, 28.5474, 10.3375



18.3106, 28.5474, 49.0174

Rectangle

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



32.8301, 28.5474, 69.4255



39.8071, 28.5474, 38.2746



22.1371, 28.5474, 10.3375



17.4833, 28.5474, 24.8543

Sweetspot

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



32.8311, 28.5485, 69.4262



78.0489, 78.9076, 105.7248



45.7869, 56.4615, 74.1311



16.2935, 16.3796, 22.5528



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.



32.8311, 28.5485, 69.4262



40.3357, 32.6846, 98.7906



40.9174, 32.7171, 69.8046



12.4574, 12.6784, 16.4427



7.8150, 3.1530, 39.9351



0.5479, 0.2257, 2.5891

Inverse Universe

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



48.9288, 36.9645, 64.8782



66.9332, 46.6007, 90.7898



45.7812, 59.9222, 32.4469



13.5561, 13.2515, 16.1894



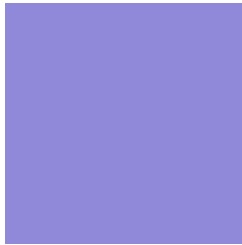
23.3462, 11.3395, 32.5325



1.5289, 0.7412, 2.1940

Previews

White Background



This preview shows how the XYZ color 32.8301, 28.5474, 69.4255 looks on a white background.

Color Contrast Check

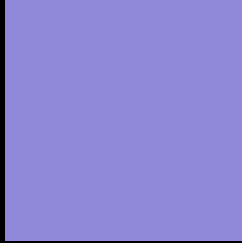
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8301, 28.5474, 69.4255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

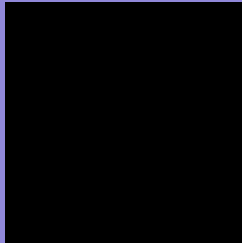
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8301, 28.5474, 69.4255

Background



This preview shows how black text looks on a background with the XYZ color 32.8301, 28.5474, 69.4255.



This preview shows how white text looks on a background with the XYZ color 32.8301, 28.5474,

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

32.8301, 28.5474, 69.4255

Protanopia

30.4779, 28.7545, 73.7559

Deuteranopia

29.4614, 28.8019, 68.2965



Tritanopia

26.4508, 28.6234, 37.3885

Trichromacy



Original Color

32.8301, 28.5474, 69.4255

Protanomaly

31.1816, 28.4887, 72.2620

Deuteranomaly

30.6719, 28.7395, 68.8964

Tritanomaly

28.4671, 28.5170, 47.7200

Monochromacy



Original Color

32.8301, 28.5474, 69.4255

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.5487, 29.1667, 43.6075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8301, 28.5474, 69.4255 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(144, 136, 217)` looks like.

```
.text, #text, p{  
    color:rgb(144, 136, 217)  
}
```

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(144, 136, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 136, 217) }
```

Border

The CSS property to change the border of an element to XYZ 32.8301, 28.5474, 69.4255 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(144, 136, 217) }
```


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

```
.border{ border-color:rgb(144, 136, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 136, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 136, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 136, 217);  
box-shadow:4px 4px 4px 4px rgb(144, 136,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8301, 28.5474, 69.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 136, 217) }
```

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

```
.background{ background-color: rgb(144,  
136, 217) }
```

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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