

Converting Colors

XYZ(32.2965, 29.6756, 69.2236)

Have a look what the booklet for
XYZ(32.2965, 29.6756, 69.2236)
contains.

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Color

**XYZ(32.2210, 29.5381,
68.9689)**

Conversions

Conversions Part 1

Format	Color
Hex	888ED8
RGB	136, 142, 216
RGB Percent	53%, 56%, 85%
CMY	0.4667, 0.4431, 0.1529
CMYK	0.37, 0.34, 0.00, 0.15
HSL	236°, 51%, 69%
HSV	236°, 37%, 85%
XYZ	32.2210, 29.5381, 68.9689
YIQ	148.6420, -27.3300, 21.7420

Conversions

Conversions Part 2

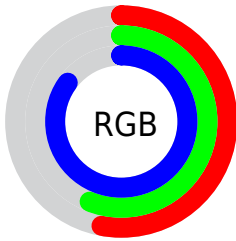
Format	Color
RYB	136, 142, 216
Decimal	8949464
CIELab	61.25, 15.64, -38.57
CIElCh	61, 41.619, 292.080
Yxy	29.5381, 0.2465, 0.2260
Android (android.graphics.Color)	4287139544 (0xFF888ED8)
YUV	148.6420, 33.2075, -11.0870
Hunter-Lab	54.3490, 10.7137, -37.1948

Details

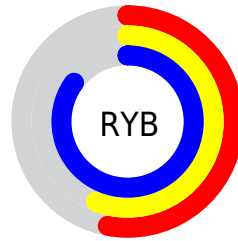
The XYZ color **32.2210, 29.5381, 68.9689** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.8103, 62.4707, 32.4104**, and the grayscale version is **28.2910, 29.7644, 32.4134**.

A 20% lighter version of the original color is **59.5282, 57.9063, 102.6473**, and **13.7398, 12.0213, 35.3144** is the 20% darker color. If you saturate the color by 10%, you get **26.3491, 22.4870, 67.9179**, and if you desaturate by 10%, it is **39.3348, 38.0215, 70.2320**.

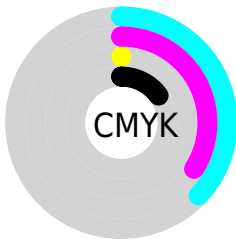
Distribution



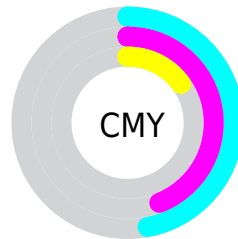
- Red (53%)
- Green (56%)
- Blue (85%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2210, 29.5381, 68.9689 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 32.2210, 29.5381, 68.9689 by changing the saturation by 10% instead.

■ 32.2210, 29.5381,
68.9689

■ 32.2210, 29.5381,
68.9689

303.8522,
299.7455, 475.6122

■ 21.6867, 19.4883,
50.2148

■ 62.5202, 58.9309,
119.4044

■ 13.7422, 12.0236,
35.2117

■ 83.0159, 79.0427,
151.9229

■ 8.0221, 6.7598,
23.5411

■ 107.5628,
103.2773, 189.8667

■ 4.1610, 3.3123,
14.7845

136.5262,
132.0190, 233.6541

■ 1.7936, 1.2969,
8.5234

170.2715,
165.6523, 283.7039

■ 0.5138, 0.1388,
4.3391

209.1640,

■ 0.0000, 0.0000,

204.5615, 340.4344

1.8132

253.5691,
249.1311, 404.2644

■ 0.0000, 0.0000,
0.4366

■ 0.0000, 0.0000,
0.0000

■ 32.2210, 29.5381,
68.9689

■ 32.2210, 29.5381,
68.9689

■ 26.3491, 22.4870,
67.9179

■ 39.3348, 38.0215,
70.2320

■ 21.6446, 16.7858,
67.0654

■ 47.7527, 48.0067,
71.7156

■ 18.0302, 12.3491,
66.3996

■ 57.5367, 59.5627,
73.4305

■ 15.4177, 9.0801,
65.9063

■ 68.7438, 72.7533,
75.3859

■ 13.7053, 6.8679,
65.5695

■ 81.4279, 87.6388,
77.5905

■ 12.7641, 5.5777,
65.3701

■ 89.3948, 97.7379,
79.1199

■ 12.5830, 5.3344,
65.3327

Harmonies

Analogous

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



26.6494, 29.5381, 72.2173



32.2210, 29.5381, 68.9689



37.2251, 29.5381, 54.4754

Triad

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



32.2210, 29.5381, 68.9689



35.0541, 29.5381, 13.7596



18.8861, 29.5381, 28.1842

Complementary

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



32.2210, 29.5381, 68.9689



55.8103, 62.4707, 32.4104

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.



20.5626, 29.5381, 16.9642



32.2210, 29.5381, 68.9689



29.5507, 29.5381, 10.5893

Square

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



32.2210, 29.5381, 68.9689



39.0033, 29.5381, 22.1081



24.3010, 29.5381, 11.5332



19.4064, 29.5381, 44.8780

Rectangle

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



32.2210, 29.5381, 68.9689



39.3297, 29.5381, 42.3585



24.3010, 29.5381, 11.5332



19.2028, 29.5381, 23.7490

Sweetspot

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



32.2221, 29.5392, 68.9696



77.7469, 79.6110, 105.8765



46.2600, 58.9667, 69.4824



16.2223, 16.5455, 22.5885



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.



32.2221, 29.5392, 68.9696



40.4442, 35.2440, 99.2789



37.6337, 31.0394, 68.9739



11.8167, 12.1568, 15.6612



7.4779, 3.2176, 38.6801



0.4778, 0.2476, 2.3419

Inverse Universe

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



42.0065, 34.1614, 29.9720



56.6358, 43.0862, 34.7008



48.4499, 60.9165, 32.4983



12.4607, 12.4358, 13.1001



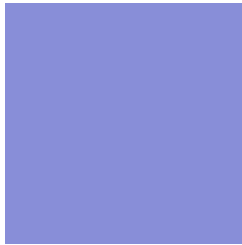
16.8334, 8.6697, 1.1606



1.0288, 0.5283, 0.1411

Previews

White Background



This preview shows how the XYZ color 32.2210, 29.5381, 68.9689 looks on a white background.

Color Contrast Check

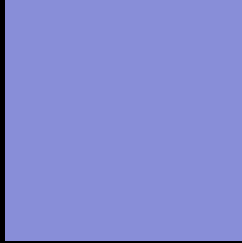
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2210, 29.5381, 68.9689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

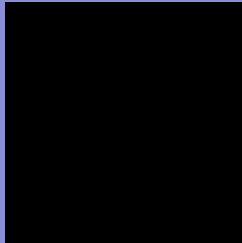
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2210, 29.5381, 68.9689

Background



This preview shows how black text looks on a background with the XYZ color 32.2210, 29.5381, 68.9689.



This preview shows how white text looks on a background with the XYZ color 32.2210, 29.5381,

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

32.2210, 29.5381, 68.9689

Protanopia

31.0800, 29.5762, 71.0885

Deuteranopia

30.4452, 29.7668, 68.4309



Tritanopia

26.3319, 29.4582, 39.8955

Trichromacy



Original Color

32.2210, 29.5381, 68.9689

Protanomaly

31.5302, 29.5977, 70.3808

Deuteranomaly

30.9953, 29.5927, 68.3683

Tritanomaly

28.1437, 29.2297, 49.5060

Monochromacy



Original Color

32.2210, 29.5381, 68.9689

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.3233, 29.5042, 43.6845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2210, 29.5381, 68.9689 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(136, 142, 216)` looks like.

```
.text, #text, p{  
    color:rgb(136, 142, 216)  
}
```

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(136, 142, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 142, 216) }
```

Border

The CSS property to change the border of an element to XYZ 32.2210, 29.5381, 68.9689 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(136, 142, 216) }
```


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

```
.border{ border-color:rgb(136, 142, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 142, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 142, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 142, 216);  
box-shadow:4px 4px 4px 4px rgb(136, 142,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2210, 29.5381, 68.9689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 142, 216) }
```

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

```
.background{ background-color: rgb(136,  
142, 216) }
```

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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