

Converting Colors

XYZ(30.7427, 27.7805, 68.0426)

Have a look what the booklet for
XYZ(30.7427, 27.7805, 68.0426)
contains.

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Color

**XYZ(30.7271, 27.7032,
68.0177)**

Conversions

Conversions Part 1

Format	Color
Hex	8489D7
RGB	132, 137, 215
RGB Percent	52%, 54%, 84%
CMY	0.4823, 0.4627, 0.1569
CMYK	0.39, 0.36, 0.00, 0.16
HSL	236°, 51%, 68%
HSV	236°, 39%, 84%
XYZ	30.7271, 27.7032, 68.0177
YIQ	144.3970, -28.0180, 23.1980

Conversions

Conversions Part 2

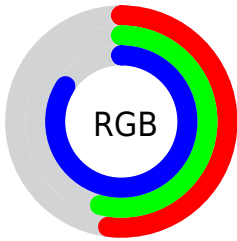
Format	Color
R _Y B	132, 137, 215
Decimal	8686039
CIE Lab	59.62, 17.21, -40.59
CIE LCh	60, 44.090, 292.982
Yxy	27.7032, 0.2430, 0.2191
Android (android.graphics.Color)	4286876119 (0xFF8489D7)
YUV	144.3970, 34.8073, -10.8722
Hunter-Lab	52.6338, 12.0973, -39.7757

Details

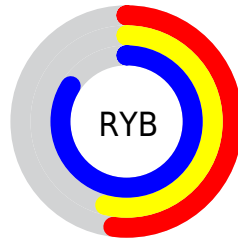
The XYZ color **30.7271, 27.7032, 68.0177** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **55.2365, 62.2070, 30.9269**, and the grayscale version is **26.5422, 27.9245, 30.4097**.

A 20% lighter version of the original color is **57.2025, 54.7383, 102.1584**, and **12.8952, 10.9742, 34.6963** is the 20% darker color. If you saturate the color by 10%, you get **25.0968, 20.9292, 67.0075**, and if you desaturate by 10%, it is **37.5901, 35.9120, 69.2410**.

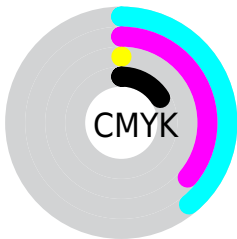
Distribution



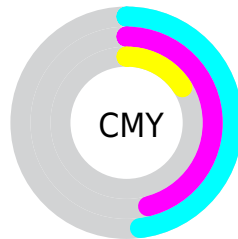
- Red (52%)
- Green (54%)
- Blue (84%)



- Red (52%)
- Yellow (54%)
- Blue (84%)



- Cyan (39%)
- Magenta (36%)
- Yellow (0%)
- Black (16%)



- Cyan (48%)
- Magenta (46%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7271, 27.7032, 68.0177 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 30.7271, 27.7032, 68.0177 by changing the saturation by 10% instead.

■ 30.7271, 27.7032,
68.0177

■ 30.7271, 27.7032,
68.0177

297.1285,
291.0460, 472.1585

■ 20.5419, 18.1020,
49.4454

■ 60.1889, 56.0102,
118.0319

■ 12.9001, 11.0233,
34.6048

■ 80.1963, 75.4849,
150.3109

■ 7.4363, 6.0825,
23.0775

■ 104.2085, 99.0195,
187.9958

■ 3.7852, 2.8953,
14.4449

132.5908,
126.9985, 231.5052

■ 1.5813, 1.0773,
8.2885

165.7086,
159.8063, 281.2576

■ 0.3802, 0.0000,
4.1897

203.9272,

■ 0.0000, 0.0000,

197.8272, 337.6716

1.7300

247.6121,
241.4456, 401.1657

■ 0.0000, 0.0000,
0.3811

■ 0.0000, 0.0000,
0.0000

■ 30.7271, 27.7032,
68.0177

■ 30.7271, 27.7032,
68.0177

■ 25.0968, 20.9292,
67.0075

■ 37.5901, 35.9120,
69.2410

■ 20.6231, 15.5047,
66.1962

■ 45.7496, 45.6283,
70.6863

■ 17.2265, 11.3400,
65.5714

■ 55.2688, 56.9233,
72.3648

■ 14.8157, 8.3333,
65.1181

■ 66.2058, 69.8632,
74.2860

■ 13.2848, 6.3672,
64.8193

■ 78.6153, 84.5100,
76.4591

■ 12.4854, 5.2896,
64.6534

■ 89.2658, 97.6863,
78.4410

■ 12.4091, 5.1929,
64.6388

Harmonies

Analogous

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



25.0469, 27.7032, 71.8704



30.7271, 27.7032, 68.0177



35.8171, 27.7032, 52.5941

Triad

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



30.7271, 27.7032, 68.0177



33.3024, 27.7032, 11.7341



17.0861, 27.7032, 26.5773

Complementary

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



30.7271, 27.7032, 68.0177



55.2365, 62.2070, 30.9269

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.



18.6879, 27.7032, 15.2364



30.7271, 27.7032, 68.0177



27.6584, 27.7032, 8.8454

Square

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



30.7271, 27.7032, 68.0177



37.4440, 27.7032, 19.7243



22.3757, 27.7032, 9.8522



17.6682, 27.7032, 43.7588

Rectangle

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



30.7271, 27.7032, 68.0177



37.9268, 27.7032, 40.0362



22.3757, 27.7032, 9.8522



17.3784, 27.7032, 22.0649

Sweetspot

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



30.7281, 27.7042, 68.0184



76.1771, 77.6564, 105.5820



45.3835, 58.1337, 69.4545



15.9049, 16.1470, 22.5283



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.



30.7281, 27.7042, 68.0184



38.5713, 32.7770, 98.9014



36.6594, 29.7312, 68.0970



11.8021, 12.1275, 15.6563



7.4481, 3.1580, 38.6701



0.4708, 0.2337, 2.3396

Inverse Universe

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



40.7918, 32.7568, 27.8407



55.3783, 41.3881, 31.7634



47.0642, 59.8552, 30.9036



12.4533, 12.4328, 13.0613



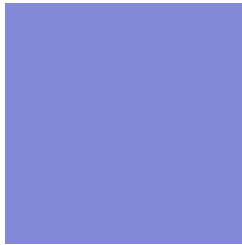
16.8183, 8.6636, 1.0814



1.0253, 0.5269, 0.1226

Previews

White Background



This preview shows how the XYZ color 30.7271, 27.7032, 68.0177 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 30.7271, 27.7032, 68.0177 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 30.7271, 27.7032, 68.0177

Background



This preview shows how black text looks on a background with the XYZ color 30.7271, 27.7032, 68.0177.



This preview shows how white text looks on a background with the XYZ color 30.7271, 27.7032,

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

30.7271, 27.7032, 68.0177

Protanopia

29.3822, 27.8247, 70.1518

Deuteranopia

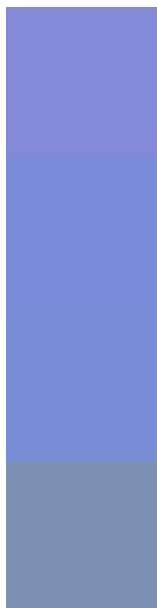
28.6422, 27.9447, 67.5026



Tritanopia

24.5428, 27.6398, 37.2992

Trichromacy



Original Color

30.7271, 27.7032, 68.0177

Protanomaly

29.9285, 27.9035, 69.4542

Deuteranomaly

29.2702, 27.8267, 67.4467

Tritanomaly

26.5237, 27.5269, 47.0953

Monochromacy



Original Color

30.7271, 27.7032, 68.0177

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.5958, 27.5275, 41.8891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7271, 27.7032, 68.0177 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(132, 137, 215)` looks like.

```
.text, #text, p{  
    color:rgb(132, 137, 215)  
}
```

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(132, 137, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 137, 215) }
```

Border

The CSS property to change the border of an element to XYZ 30.7271, 27.7032, 68.0177 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(132, 137, 215) }
```


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

```
.border{ border-color:rgb(132, 137, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 137, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 137, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 137, 215);  
box-shadow:4px 4px 4px 4px rgb(132, 137,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7271, 27.7032, 68.0177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 137, 215) }
```

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

```
.background{ background-color: rgb(132,  
137, 215) }
```

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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