

Converting Colors

XYZ(14.8195, 6.7177, 72.3098)

Have a look what the booklet for
XYZ(14.8195, 6.7177, 72.3098)
contains.

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Color

**XYZ(14.8600, 6.7270,
72.4667)**

Conversions

Conversions Part 1

Format	Color
Hex	231DE2
RGB	35, 29, 226
RGB Percent	14%, 11%, 89%
CMY	0.8627, 0.8863, 0.1137
CMYK	0.85, 0.87, 0.00, 0.11
HSL	242°, 77%, 50%
HSV	242°, 87%, 89%
XYZ	14.8600, 6.7270, 72.4667
YIQ	53.2520, -59.6610, 62.5390

Conversions

Conversions Part 2

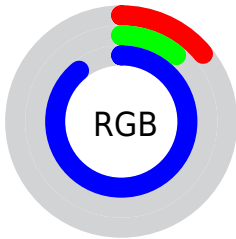
Format	Color
RYB	35, 29, 226
Decimal	2301410
CIELab	31.18, 66.01, -93.28
CIElCh	31, 114.271, 305.285
Yxy	6.7270, 0.1580, 0.0715
Android (android.graphics.Color)	4280491490 (0xFF231DE2)
YUV	53.2520, 85.1648, -16.0070
Hunter-Lab	25.9365, 56.8807, -147.5013

Details

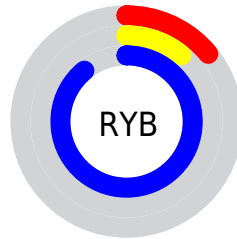
The XYZ color **14.8600, 6.7270, 72.4667** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **56.9235, 69.6921, 11.6135**, and the grayscale version is **3.3202, 3.4932, 3.8040**.

A 20% lighter version of the original color is **28.8130, 17.2477, 96.4183**, and **7.1614, 2.8646, 37.7116** is the 20% darker color. If you saturate the color by 10%, you get **13.9646, 5.7162, 72.3191**, and if you desaturate by 10%, it is **16.6208, 8.7785, 72.7701**.

Distribution



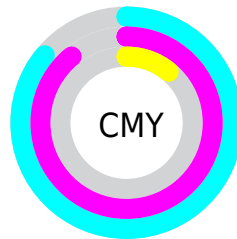
- Red (14%)
- Green (11%)
- Blue (89%)



- Red (14%)
- Yellow (11%)
- Blue (89%)



- Cyan (85%)
- Magenta (87%)
- Yellow (0%)
- Black (11%)



- Cyan (86%)
- Magenta (89%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8600, 6.7270, 72.4667 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 14.8600, 6.7270, 72.4667 by changing the saturation by 10% instead.

■ 14.8600, 6.7270,
72.4667

■ 14.8600, 6.7270,
72.4667

215.9225,
165.3756, 488.1855

■ 8.8069, 3.2920,
53.0508

■ 34.1811, 19.4219,
124.4337

■ 4.6715, 1.2860,
37.4554

■ 48.1797, 29.4505,
157.8219

■ 2.0886, 0.1303,
25.2617

■ 65.5576, 42.4457,
196.7047

■ 0.6830, 0.0000,
16.0513

■ 86.6800, 58.7921,
241.5006

■ 0.0000, 0.0000,
9.4057

■ 111.9123, 78.8738,
292.6280


■ 0.0000, 0.0000,
4.9064


■ 141.6200,


■ 0.0000, 0.0000,

103.0754, 350.5056

2.1346


 176.1682,
131.7812, 415.5520


 0.0000, 0.0000,
0.6363


 0.0000, 0.0000,
0.0000


 14.8600, 6.7270,
72.4667


 14.8600, 6.7270,
72.4667

 13.9646, 5.7162,
72.3191

 16.6208, 8.7785,
72.7701

 13.8141, 5.5357,
72.2921

 19.4002, 12.0695,
73.2589

 23.3215, 16.7540,
73.9564

 28.4901, 22.9635,
74.8825

■ 34.9994, 30.8145,
76.0549

■ 42.9339, 40.4120,
77.4892

■ 52.3710, 51.8524,
79.2000

■ 63.3828, 65.2250,
81.2008

■ 76.0365, 80.6132,
83.5041

Harmonies

Analogous

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



7.4390, 6.7270, 101.1141



14.8600, 6.7270, 72.4667



22.0341, 6.7270, 29.2969

Triad

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



14.8600, 6.7270, 72.4667



12.0423, 6.7270, 0.0000



0.5029, 6.7270, 10.5519

Complementary

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



14.8600, 6.7270, 72.4667



56.9235, 69.6921, 11.6135

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.



0.7465, 6.7270, 0.4178



14.8600, 6.7270, 72.4667



5.4515, 6.7270, 0.0000

Square

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



14.8600, 6.7270, 72.4667



19.8456, 6.7270, 0.0000



1.9699, 6.7270, 0.0000



1.0140, 6.7270, 43.5417

Rectangle

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



14.8600, 6.7270, 72.4667



24.2756, 6.7270, 10.1663



1.9699, 6.7270, 0.0000



0.5004, 6.7270, 5.0689

Sweetspot

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



14.8606, 6.7270, 72.4669



57.6012, 54.5277, 102.0967



40.5460, 58.3762, 81.0825



11.4887, 10.6537, 21.7008



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.



14.8606, 6.7270, 72.4669



18.1477, 7.2704, 95.0546



23.4925, 11.1770, 72.8709



12.9907, 13.2632, 17.2631



7.8990, 3.1674, 41.2434



0.5614, 0.2267, 2.8594

Inverse Universe

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



44.7172, 22.2127, 69.6183



58.0581, 27.9872, 90.4928



35.7610, 58.7825, 10.6232



14.2759, 13.9280, 17.2233



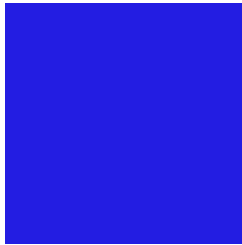
25.2022, 12.1479, 39.3261



1.7527, 0.8443, 2.7564

Previews

White Background



This preview shows how the XYZ color 14.8600, 6.7270, 72.4667 looks on a white background.

Color Contrast Check

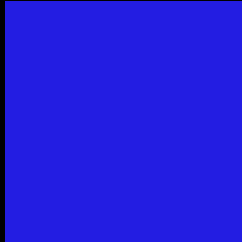
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 14.8600, 6.7270, 72.4667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

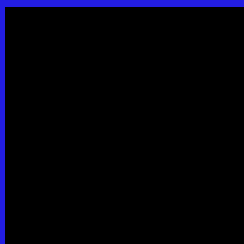
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8600, 6.7270, 72.4667

Background



This preview shows how black text looks on a background with the XYZ color 14.8600, 6.7270, 72.4667.



This preview shows how white text looks on a background with the XYZ color 14.8600, 6.7270,

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

14.8600, 6.7270, 72.4667

Protanopia

7.5985, 6.6446, 28.8990

Deuteranopia

6.2820, 6.5385, 20.6696



Tritanopia

4.5821, 6.5407, 9.6153

Trichromacy



Original Color

14.8600, 6.7270, 72.4667

Protanomaly

9.4166, 6.0485, 41.7455

Deuteranomaly

8.2006, 5.7203, 34.8543

Tritanomaly

6.3325, 5.3084, 23.9834

Monochromacy



Original Color

14.8600, 6.7270, 72.4667

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.1798, 3.6432, 16.9532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8600, 6.7270, 72.4667 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(35, 29, 226)` looks like.

```
.text, #text, p{  
    color:rgb(35, 29, 226)  
}
```

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(35, 29, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 29, 226) }
```

Border

The CSS property to change the border of an element to XYZ 14.8600, 6.7270, 72.4667 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(35, 29, 226) }
```


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

```
.border{ border-color:rgb(35, 29, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 29, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 29, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 29, 226);  
box-shadow:4px 4px 4px 4px rgb(35, 29,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8600, 6.7270, 72.4667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 29, 226) }
```

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

```
.background{ background-color: rgb(35, 29,  
226) }
```

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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