

Converting Colors

XYZ(17.9473, 14.8311, 70.9187)

Have a look what the booklet for
XYZ(17.9473, 14.8311, 70.9187)
contains.

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Color

**XYZ(17.9362, 14.7767,
71.0141)**

Conversions

Conversions Part 1

Format	Color
Hex	0066DE
RGB	0, 102, 222
RGB Percent	0%, 40%, 87%
CMY	0.9998, 0.6000, 0.1294
CMYK	1.00, 0.54, 0.00, 0.13
HSL	212°, 100%, 44%
HSV	212°, 100%, 87%
XYZ	17.9362, 14.7767, 71.0141
YIQ	85.1820, -99.3120, 15.6960

Conversions

Conversions Part 2

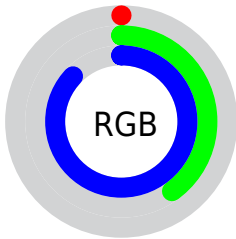
Format	Color
RYB	0, 70, 222
Decimal	26334
CIELab	45.33, 22.45, -67.71
CIELCh	45, 71.333, 288.346
Yxy	14.7767, 0.1729, 0.1425
Android (android.graphics.Color)	4278216414 (0xFF0066DE)
YUV	85.1820, 67.4513, -74.7046
Hunter-Lab	38.4405, 16.0167, -82.6227

Details

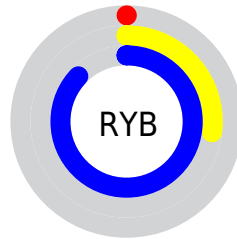
The XYZ color **17.9362, 14.7767, 71.0141** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **36.8479, 28.9762, 3.6525**, and the grayscale version is **8.5545, 9.0000, 9.8010**.

A 20% lighter version of the original color is **34.9872, 32.6195, 99.0599**, and **8.3461, 5.6794, 36.7327** is the 20% darker color. If you saturate the color by 10%, you get **17.9333, 14.7708, 71.0135**, and if you desaturate by 10%, it is **19.5391, 17.4828, 71.4523**.

Distribution



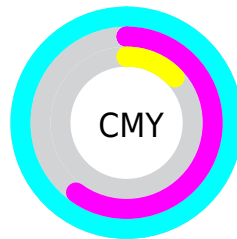
- Red (0%)
- Green (40%)
- Blue (87%)



- Red (0%)
- Yellow (27%)
- Blue (87%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (60%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9362, 14.7767, 71.0141 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 17.9362, 14.7767, 71.0141 by changing the saturation by 10% instead.

■ 17.9362, 14.7767,
71.0141

■ 17.9362, 14.7767,
71.0141

233.5637,
222.0106, 482.9877

■ 11.0036, 8.6628,
51.8718

■ 39.4595, 34.4610,
122.3484

■ 6.1366, 4.5219,
36.5214

■ 54.7809, 48.8001,
155.3776

■ 2.9698, 1.9696,
24.5442

■ 73.6294, 66.6499,
193.8727

■ 1.1378, 0.5897,
15.5219

■ 96.3701, 88.3946,
238.2524

■ 0.0564, 0.0000,
9.0358

■ 123.3686,
114.4186, 288.9352

■ 0.0000, 0.0000,
4.6674

154.9901,

■ 0.0000, 0.0000,

145.1063, 346.3397

1.9982

191.6000,
180.8422, 410.8843

■ 0.0000, 0.0000,
0.5542

■ 0.0000, 0.0000,
0.0000

■ 17.9362, 14.7767,
71.0141

■ 17.9362, 14.7767,
71.0141

■ 17.9333, 14.7708,
71.0135

■ 19.5391, 17.4828,
71.4523

■ 21.7049, 20.7428,
71.9674

■ 24.5659, 24.6347,
72.5679

■ 28.1991, 29.2072,
73.2590

■ 32.6704, 34.5031,
74.0455

■ 38.0377, 40.5605,
74.9318

■ 44.3535, 47.4145,
75.9219

■ 51.6657, 55.0976,
77.0195

■ 60.0192, 63.6402,
78.2281

Harmonies

Analogous

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



11.8709, 14.7767, 73.6943



17.9362, 14.7767, 71.0141



24.3683, 14.7767, 48.8865

Triad

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



17.9362, 14.7767, 71.0141



23.0382, 14.7767, 1.9625



5.5928, 14.7767, 10.3672

Complementary

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



17.9362, 14.7767, 71.0141



36.8479, 28.9762, 3.6525

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.



7.1471, 14.7767, 2.7005



17.9362, 14.7767, 71.0141



16.4691, 14.7767, 0.5794

Square

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



17.9362, 14.7767, 71.0141



27.8374, 14.7767, 7.8622



10.7614, 14.7767, 0.7300



5.7809, 14.7767, 28.6692

Rectangle

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



17.9362, 14.7767, 71.0141



27.4847, 14.7767, 31.3447



10.7614, 14.7767, 0.7300



5.9060, 14.7767, 6.8165

Sweetspot

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



17.9370, 14.7771, 71.0145



60.4802, 64.6545, 103.8997



29.4175, 53.5614, 26.0605



12.1272, 12.9589, 22.1121



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.



17.9370, 14.7771, 71.0145



24.4262, 19.9723, 97.1754



13.2788, 5.3233, 69.4353



13.4682, 14.2755, 17.4333



10.7604, 8.9905, 42.2166



0.8346, 0.8007, 2.9558

Inverse Universe

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



32.5233, 16.4902, 14.0391



44.4584, 22.5474, 18.8778



54.0294, 66.6299, 10.0148



13.9678, 13.8047, 15.6005



19.3716, 9.8156, 8.6225



1.3875, 0.6983, 0.8336

Previews

White Background



This preview shows how the XYZ color 17.9362, 14.7767, 71.0141 looks on a white background.

Color Contrast Check

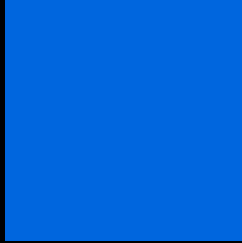
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 17.9362, 14.7767, 71.0141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

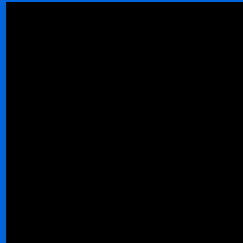
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

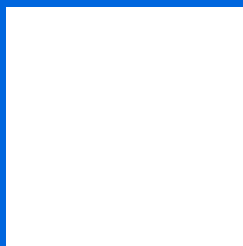
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.9362, 14.7767, 71.0141

Background



This preview shows how black text looks on a background with the XYZ color 17.9362, 14.7767, 71.0141.



This preview shows how white text looks on a background with the XYZ color 17.9362, 14.7767,

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

17.9362, 14.7767, 71.0141

Protanopia

17.6364, 14.8150, 68.9479

Deuteranopia

14.6539, 14.6114, 50.1920



Tritanopia

10.3627, 14.7000, 22.0299

Trichromacy



Original Color

17.9362, 14.7767, 71.0141

Protanomaly

17.7685, 14.8678, 69.6434

Deuteranomaly

15.6966, 14.5251, 57.2347

Tritanomaly

12.3381, 14.3835, 35.8442

Monochromacy



Original Color

17.9362, 14.7767, 71.0141

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.6356, 10.0157, 24.3470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9362, 14.7767, 71.0141 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(0, 102, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 222)  
}
```

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(0, 102, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 222) }
```

Border

The CSS property to change the border of an element to XYZ 17.9362, 14.7767, 71.0141 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(0, 102, 222) }
```


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

```
.border{ border-color:rgb(0, 102, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 102, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 102, 222); box-shadow:4px 4px 4px 4px rgb(0, 102, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9362, 14.7767, 71.0141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 222) }
```

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

```
.background{ background-color: rgb(0, 102,  
222) }
```

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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