

Converting Colors

XYZ(14.2725, 12.8387, 72.6883)

Have a look what the booklet for
XYZ(14.2725, 12.8387, 72.6883)
contains.

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Color

**XYZ(18.3420, 14.9390,
73.1509)**

Conversions

Conversions Part 1

Format	Color
Hex	0066E1
RGB	0, 102, 225
RGB Percent	0%, 40%, 88%
CMY	0.9998, 0.6000, 0.1176
CMYK	1.00, 0.55, 0.00, 0.12
HSL	213°, 100%, 44%
HSV	213°, 100%, 88%
XYZ	18.3420, 14.9390, 73.1509
YIQ	85.5240, -100.2750, 16.6290

Conversions

Conversions Part 2

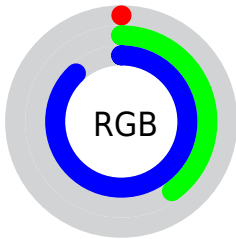
Format	Color
RYB	0, 70, 225
Decimal	26337
CIELab	45.55, 23.63, -69.04
CIELCh	46, 72.978, 288.897
Yxy	14.9390, 0.1723, 0.1404
Android (android.graphics.Color)	4278216417 (0xFF0066E1)
YUV	85.5240, 68.7617, -75.0045
Hunter-Lab	38.6510, 17.0687, -85.1566

Details

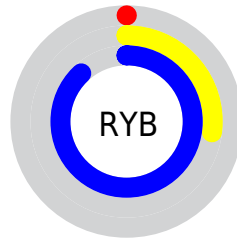
The XYZ color **18.3420, 14.9390, 73.1509** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **38.1423, 30.1887, 3.8184**, and the grayscale version is **8.6236, 9.0727, 9.8802**.

A 20% lighter version of the original color is **35.1039, 32.6797, 99.0654**, and **8.6246, 5.7908, 38.1993** is the 20% darker color. If you saturate the color by 10%, you get **18.3388, 14.9325, 73.1502**, and if you desaturate by 10%, it is **19.9856, 17.7164, 73.6008**.

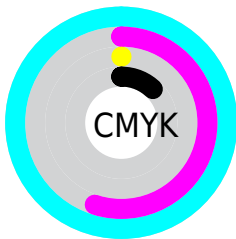
Distribution



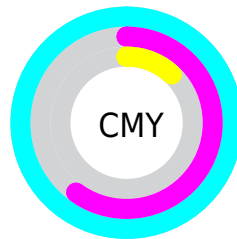
- Red (0%)
- Green (40%)
- Blue (88%)



- Red (0%)
- Yellow (27%)
- Blue (88%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (60%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3420, 14.9390, 73.1509 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 18.3420, 14.9390, 73.1509 by changing the saturation by 10% instead.

■ 18.3420, 14.9390,
73.1509

■ 18.3420, 14.9390,
73.1509

235.8002,
222.9967, 490.6224

■ 11.2970, 8.7766,
53.6068

■ 40.1448, 34.7461,
125.4143

■ 6.3357, 4.5957,
37.8963

■ 55.6332, 49.1596,
158.9707

■ 3.0929, 2.0121,
25.6010

■ 74.6668, 67.0923,
198.0349

■ 1.2031, 0.6145,
16.3023

■ 97.6110, 88.9285,
243.0255

■ 0.1088, 0.0000,
9.5817

■ 124.8311,
115.0527, 294.3610

■ 0.0000, 0.0000,
5.0205

156.6924,

■ 0.0000, 0.0000,

145.8491, 352.4600

2.2004

193.5603,
181.7024, 417.7409

■ 0.0000, 0.0000,
0.6746

■ 0.0000, 0.0000,
0.0000

■ 18.3420, 14.9390,
73.1509

■ 18.3420, 14.9390,
73.1509

■ 18.3388, 14.9325,
73.1502

■ 19.9856, 17.7164,
73.6008

■ 22.2141, 21.0728,
74.1312

■ 25.1636, 25.0886,
74.7508

■ 28.9139, 29.8148,
75.4654

■ 33.5333, 35.2961,
76.2799

■ 39.0821, 41.5722,
77.1989

■ 45.6144, 48.6799,
78.2265

■ 53.1803, 56.6532,
79.3668

■ 61.8260, 65.5238,
80.6233

Harmonies

Analogous

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



12.0600, 14.9390, 76.4146



18.3420, 14.9390, 73.1509



24.9849, 14.9390, 49.8040

Triad

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



18.3420, 14.9390, 73.1509



23.3792, 14.9390, 1.8194



5.5254, 14.9390, 10.6217

Complementary

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



18.3420, 14.9390, 73.1509



38.1423, 30.1887, 3.8184

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.



7.0734, 14.9390, 2.6755



18.3420, 14.9390, 73.1509



16.5772, 14.9390, 0.4841

Square

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



18.3420, 14.9390, 73.1509



28.4201, 14.9390, 7.6387



10.7323, 14.9390, 0.6635



5.7481, 14.9390, 29.7343

Rectangle

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



18.3420, 14.9390, 73.1509



28.1758, 14.9390, 31.5868



10.7323, 14.9390, 0.6635



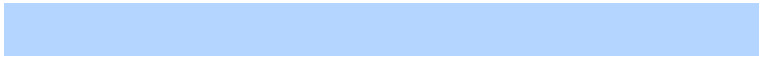
5.8329, 14.9390, 6.9284

Sweetspot

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



18.3428, 14.9394, 73.1513



60.3618, 64.4177, 103.8602



30.3180, 55.2078, 26.8365



12.0993, 12.9031, 22.1028



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.



18.3428, 14.9394, 73.1513



24.2451, 19.6101, 97.1150



13.6859, 5.4863, 71.5722



13.4611, 14.2613, 17.4309



10.6810, 8.8316, 42.1901



0.8289, 0.7893, 2.9539

Inverse Universe

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



33.4504, 16.9682, 14.0825



44.3670, 22.5108, 18.3965



55.6905, 68.6797, 10.3230



13.9642, 13.8033, 15.5816



19.3315, 9.7996, 8.4114



1.3847, 0.6971, 0.8185

Previews

White Background



This preview shows how the XYZ color 18.3420, 14.9390, 73.1509 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 18.3420, 14.9390, 73.1509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

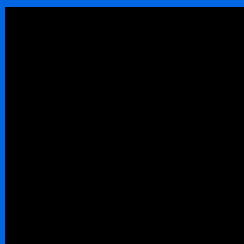
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

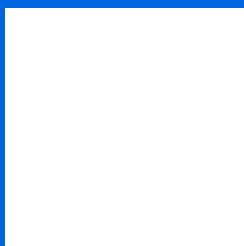
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3420, 14.9390, 73.1509

Background



This preview shows how black text looks on a background with the XYZ color 18.3420, 14.9390, 73.1509.



This preview shows how white text looks on a background with the XYZ color 18.3420, 14.9390,

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

18.3420, 14.9390, 73.1509

Protanopia

17.7685, 14.8678, 69.6434

Deuteranopia

14.7612, 14.8260, 50.2278



Tritanopia

10.4276, 14.7260, 22.3715

Trichromacy



Original Color

18.3420, 14.9390, 73.1509

Protanomaly

18.0351, 14.9744, 71.0470

Deuteranomaly

15.9184, 14.7797, 57.8909

Tritanomaly

12.5160, 14.4546, 36.7807

Monochromacy



Original Color

18.3420, 14.9390, 73.1509

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.9181, 10.2727, 25.1270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3420, 14.9390, 73.1509 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 225) }
```

Border

The CSS property to change the border of an element to XYZ 18.3420, 14.9390, 73.1509 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, 225) }
```


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

```
.border{ border-color:rgb(0, 102, 225) }
```

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, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3420, 14.9390, 73.1509 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, 225) }
```

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

```
.background{ background-color: rgb(0, 102,  
225) }
```

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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