

Converting Colors

XYZ(15.4681, 10.4150, 68.4201)

Have a look what the booklet for
XYZ(15.4681, 10.4150, 68.4201)
contains.

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Color

**XYZ(15.4401, 10.4222,
68.2157)**

Conversions

Conversions Part 1

Format	Color
Hex	004DDB
RGB	0, 77, 219
RGB Percent	0%, 30%, 86%
CMY	0.9998, 0.6980, 0.1412
CMYK	1.00, 0.65, 0.00, 0.14
HSL	219°, 100%, 43%
HSV	219°, 100%, 86%
XYZ	15.4401, 10.4222, 68.2157
YIQ	70.1650, -91.4740, 27.8380

Conversions

Conversions Part 2

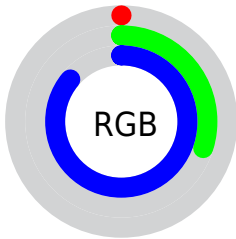
Format	Color
RYB	0, 57, 219
Decimal	19931
CIELab	38.59, 37.52, -77.01
CIELCh	39, 85.667, 295.973
Yxy	10.4222, 0.1641, 0.1108
Android (android.graphics.Color)	4278210011 (0xFF004DDB)
YUV	70.1650, 73.3757, -61.5347
Hunter-Lab	32.2834, 28.8747, -102.6829

Details

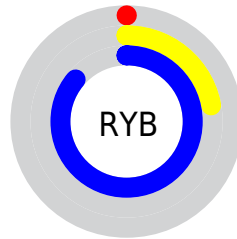
The XYZ color **15.4401, 10.4222, 68.2157** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **38.8962, 34.4249, 4.5964**, and the grayscale version is **5.7448, 6.0439, 6.5819**.

A 20% lighter version of the original color is **31.3366, 25.1450, 97.8096**, and **7.1829, 3.7884, 35.0030** is the 20% darker color. If you saturate the color by 10%, you get **15.4372, 10.4165, 68.2151**, and if you desaturate by 10%, it is **16.8746, 12.8014, 68.5997**.

Distribution



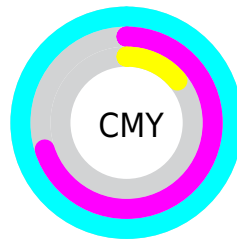
- Red (0%)
- Green (30%)
- Blue (86%)



- Red (0%)
- Yellow (22%)
- Blue (86%)



- Cyan (100%)
- Magenta (65%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (70%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4401, 10.4222, 68.2157 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 15.4401, 10.4222, 68.2157 by changing the saturation by 10% instead.

■ 15.4401, 10.4222,
68.2157

■ 15.4401, 10.4222,
68.2157

219.3507,
193.6594, 472.8787

■ 9.2172, 5.6798,
49.6055

■ 35.1888, 26.5866,
118.3178

■ 4.9413, 2.6514,
34.7310

■ 49.4452, 38.7775,
150.6467

■ 2.2473, 0.9526,
23.1739

■ 67.1102, 54.2198,
188.3856

■ 0.7675, 0.0000,
14.5154

■ 88.5491, 73.2982,
231.9530

■ 0.0000, 0.0000,
8.3372

■ 114.1272, 96.3970,
281.7675

■ 0.0000, 0.0000,
4.2206

144.2100,

■ 0.0000, 0.0000,

123.9005, 338.2476

1.7471

179.1627,
156.1932, 401.8118

■ 0.0000, 0.0000,
0.3927

■ 0.0000, 0.0000,
0.0000

■ 15.4401, 10.4222,
68.2157

■ 15.4401, 10.4222,
68.2157

■ 15.4372, 10.4165,
68.2151

■ 16.8746, 12.8014,
68.5997

■ 18.9120, 15.8330,
69.0774

■ 21.6866, 19.6039,
69.6590

■ 25.2782, 24.1717,
70.3514

■ 29.7550, 29.5871,
71.1607

■ 35.1775, 35.8960,
72.0927

■ 41.6005, 43.1404,
73.1525

■ 49.0745, 51.3597,
74.3450

■ 57.6463, 60.5905,
75.6750

Harmonies

Analogous

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



9.1655, 10.4222, 78.8157



15.4401, 10.4222, 68.2157



21.8508, 10.4222, 39.0180

Triad

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



15.4401, 10.4222, 68.2157



17.2776, 10.4222, 0.0000



2.5583, 10.4222, 9.3082

Complementary

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



15.4401, 10.4222, 68.2157



38.8962, 34.4249, 4.5964

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.



3.3725, 10.4222, 1.3406



15.4401, 10.4222, 68.2157



10.6854, 10.4222, 0.0000

Square

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



15.4401, 10.4222, 68.2157



23.1637, 10.4222, 2.4682



5.8829, 10.4222, 0.0000



3.0155, 10.4222, 31.0467

Rectangle

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



15.4401, 10.4222, 68.2157



24.5472, 10.4222, 20.6370



5.8829, 10.4222, 0.0000



2.6802, 10.4222, 5.3727

Sweetspot

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



15.4407, 10.4224, 68.2160



58.4481, 60.5903, 103.2223



29.9723, 52.5196, 32.8775



11.6509, 12.0062, 21.9533



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.



15.4407, 10.4224, 68.2160



21.6733, 14.4666, 96.2578



13.3008, 5.3807, 67.3557



12.7111, 13.3620, 16.5613



9.2469, 6.3631, 40.4792



0.6784, 0.5709, 2.6489

Inverse Universe

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



30.5537, 15.5972, 8.4211



43.0689, 21.9916, 11.5608



46.5193, 61.5859, 9.4372



13.2441, 13.1267, 14.5464



18.1627, 9.2661, 5.2369



1.2167, 0.6163, 0.5501

Previews

White Background



This preview shows how the XYZ color 15.4401, 10.4222, 68.2157 looks on a white background.

Color Contrast Check

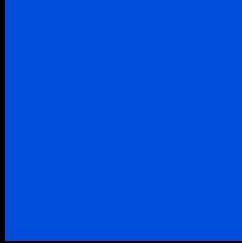
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4401, 10.4222, 68.2157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

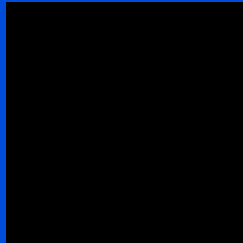
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4401, 10.4222, 68.2157

Background



This preview shows how black text looks on a background with the XYZ color 15.4401, 10.4222, 68.2157.



This preview shows how white text looks on a background with the XYZ color 15.4401, 10.4222,

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

15.4401, 10.4222, 68.2157

Protanopia

12.0599, 10.2771, 46.6954

Deuteranopia

10.0859, 10.2973, 33.8037



Tritanopia

7.2552, 10.3480, 15.2506

Trichromacy



Original Color

15.4401, 10.4222, 68.2157

Protanomaly

13.1713, 10.2177, 54.1013

Deuteranomaly

11.6464, 10.1117, 44.5179

Tritanomaly

9.0936, 9.7609, 29.0085

Monochromacy



Original Color

15.4401, 10.4222, 68.2157

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

7.1028, 6.7782, 20.0027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4401, 10.4222, 68.2157 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, 77, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 77, 219)  
}
```

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, 77, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 77, 219) }
```

Border

The CSS property to change the border of an element to XYZ 15.4401, 10.4222, 68.2157 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, 77, 219) }
```


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

```
.border{ border-color:rgb(0, 77, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 77, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 77, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 77, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 77, 219)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.4401, 10.4222, 68.2157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 77, 219) }
```

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

```
.background{ background-color: rgb(0, 77,  
219) }
```

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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