

Converting Colors

XYZ(7.1720, 5.6000, 68.4001)

Have a look what the booklet for
XYZ(7.1720, 5.6000, 68.4001)
contains.

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Color

**XYZ(15.2356, 9.8020,
68.7991)**

Conversions

Conversions Part 1

Format	Color
Hex	0048DC
RGB	0, 72, 220
RGB Percent	0%, 28%, 86%
CMY	0.9998, 0.7177, 0.1373
CMYK	1.00, 0.67, 0.00, 0.14
HSL	220°, 100%, 43%
HSV	220°, 100%, 86%
XYZ	15.2356, 9.8020, 68.7991
YIQ	67.3440, -90.4200, 30.7640

Conversions

Conversions Part 2

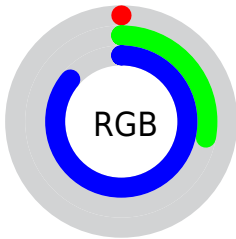
Format	Color
RYB	0, 54, 220
Decimal	18652
CIELab	37.48, 41.07, -79.41
CIELCh	37, 89.399, 297.349
Yxy	9.8020, 0.1624, 0.1045
Android (android.graphics.Color)	4278208732 (0xFF0048DC)
YUV	67.3440, 75.2594, -59.0607
Hunter-Lab	31.3081, 32.0749, -108.3730

Details

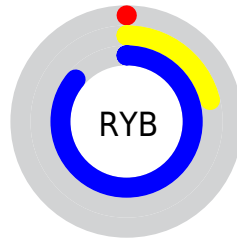
The XYZ color **15.2356, 9.8020, 68.7991** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **40.1143, 36.4131, 4.9157**, and the grayscale version is **5.2869, 5.5623, 6.0573**.

A 20% lighter version of the original color is **30.7103, 23.7171, 97.5670**, and **7.1651, 3.6089, 35.4409** is the 20% darker color. If you saturate the color by 10%, you get **15.2332, 9.7972, 68.7986**, and if you desaturate by 10%, it is **16.6426, 12.1229, 69.1732**.

Distribution



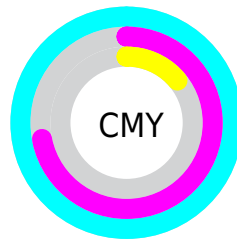
- Red (0%)
- Green (28%)
- Blue (86%)



- Red (0%)
- Yellow (21%)
- Blue (86%)



- Cyan (100%)
- Magenta (67%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (72%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2356, 9.8020, 68.7991 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 15.2356, 9.8020, 68.7991 by changing the saturation by 10% instead.

■ 15.2356, 9.8020,
68.7991

■ 15.2356, 9.8020,
68.7991

218.1481,
189.2530, 474.9968

■ 9.0723, 5.2679,
50.0774

■ 34.8342, 25.4224,
119.1596

■ 4.8459, 2.4053,
35.1033

■ 49.0003, 37.2775,
151.6354

■ 2.1909, 0.8286,
23.4582

■ 66.5646, 52.3417,
189.5330

■ 0.7380, 0.0000,
14.7238

■ 87.8926, 70.9994,
233.2710

■ 0.0000, 0.0000,
8.4813

■ 113.3496, 93.6349,
283.2678

■ 0.0000, 0.0000,
4.3123

143.3009,

■ 0.0000, 0.0000,

120.6328, 339.9420

1.7982

178.1119,
152.3774, 403.7122

■ 0.0000, 0.0000,
0.4267

■ 0.0000, 0.0000,
0.0000

■ 15.2356, 9.8020,
68.7991

■ 15.2356, 9.8020,
68.7991

■ 15.2332, 9.7972,
68.7986

■ 16.6426, 12.1229,
69.1732

■ 18.6720, 15.1294,
69.6466

■ 21.4614, 18.9129,
70.2299

■ 25.0929, 23.5346,
70.9305

■ 29.6369, 29.0488,
71.7554

■ 35.1560, 35.5044,
72.7106

■ 41.7068, 42.9464,
73.8017

■ 49.3414, 51.4166,
75.0343

■ 58.1082, 60.9544,
76.4132

Harmonies

Analogous

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



8.8242, 9.8020, 81.4014



15.2356, 9.8020, 68.7991



21.7461, 9.8020, 37.7059

Triad

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



15.2356, 9.8020, 68.7991



16.4727, 9.8020, 0.0000



2.1421, 9.8020, 9.3006

Complementary

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



15.2356, 9.8020, 68.7991



40.1143, 36.4131, 4.9157

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.



2.8461, 9.8020, 1.1580



15.2356, 9.8020, 68.7991



9.8268, 9.8020, 0.0000

Square

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



15.2356, 9.8020, 68.7991



22.6400, 9.8020, 1.8207



5.1716, 9.8020, 0.0000



2.6248, 9.8020, 32.2275

Rectangle

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



15.2356, 9.8020, 68.7991



24.3979, 9.8020, 19.0162



5.1716, 9.8020, 0.0000



2.2379, 9.8020, 5.2159

Sweetspot

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



15.2362, 9.8022, 68.7994



58.0047, 59.7036, 103.0745



30.8357, 53.2837, 36.1338



11.5475, 11.7995, 21.9189



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.



15.2362, 9.8022, 68.7994



21.1748, 13.4695, 96.0916



13.6715, 5.5565, 68.0624



12.6848, 13.3093, 16.5525



9.0309, 5.9312, 40.4073



0.6622, 0.5385, 2.6435

Inverse Universe

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



30.6855, 15.6847, 7.5407



42.8172, 21.8909, 10.2356



45.2036, 61.2961, 9.4504



13.2308, 13.1214, 14.4765



18.0537, 9.2225, 4.6629



1.2085, 0.6131, 0.5071

Previews

White Background



This preview shows how the XYZ color 15.2356, 9.8020, 68.7991 looks on a white background.

Color Contrast Check

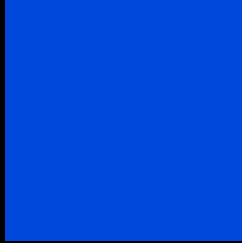
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2356, 9.8020, 68.7991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

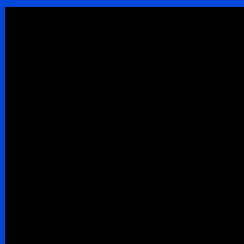
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2356, 9.8020, 68.7991

Background



This preview shows how black text looks on a background with the XYZ color 15.2356, 9.8020, 68.7991.



This preview shows how white text looks on a background with the XYZ color 15.2356, 9.8020,

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

15.2356, 9.8020, 68.7991

Protanopia

11.3852, 9.7517, 43.9300

Deuteranopia

9.4059, 9.6122, 31.4966



Tritanopia

6.8159, 9.7146, 14.3478

Trichromacy



Original Color

15.2356, 9.8020, 68.7991

Protanomaly

12.6063, 9.6324, 52.2337

Deuteranomaly

11.0291, 9.3608, 42.8205

Tritanomaly

8.7607, 9.2201, 28.5120

Monochromacy



Original Color

15.2356, 9.8020, 68.7991

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

6.6995, 6.1999, 19.5825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2356, 9.8020, 68.7991 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, 72, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 72, 220)  
}
```

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, 72, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 72, 220) }
```

Border

The CSS property to change the border of an element to XYZ 15.2356, 9.8020, 68.7991 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, 72, 220) }
```


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

```
.border{ border-color:rgb(0, 72, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 72, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 72, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 72, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 72, 220)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.2356, 9.8020, 68.7991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 72, 220) }
```

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

```
.background{ background-color: rgb(0, 72,  
220) }
```

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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