

Converting Colors

XYZ(15.1490, 12.3659, 60.3319)

Have a look what the booklet for
XYZ(15.1490, 12.3659, 60.3319)
contains.

XYZ(15.1768, 12.3337, 60.6122)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.1768, 12.3337,
60.6122)**

Conversions

Conversions Part 1

Format	Color
Hex	005DCF
RGB	0, 93, 207
RGB Percent	0%, 36%, 81%
CMY	0.9998, 0.6353, 0.1882
CMYK	1.00, 0.55, 0.00, 0.19
HSL	213°, 100%, 41%
HSV	213°, 100%, 81%
XYZ	15.1768, 12.3337, 60.6122
YIQ	78.1890, -92.0220, 15.7380

Conversions

Conversions Part 2

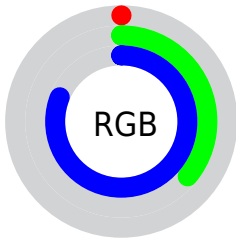
Format	Color
RYB	0, 64, 207
Decimal	24015
CIELab	41.74, 22.37, -64.97
CIELCh	42, 68.714, 289.001
Yxy	12.3337, 0.1722, 0.1400
Android (android.graphics.Color)	4278214095 (0xFF005DCF)
YUV	78.1890, 63.5038, -68.5718
Hunter-Lab	35.1194, 15.6797, -77.7445

Details

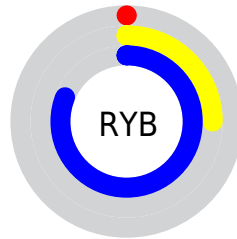
The XYZ color **15.1768, 12.3337, 60.6122** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **31.7548, 25.3102, 3.2130**, and the grayscale version is **7.1761, 7.5498, 8.2217**.

A 20% lighter version of the original color is **33.1280, 29.5742, 98.5701**, and **6.7658, 4.4636, 30.2107** is the 20% darker color. If you saturate the color by 10%, you get **15.1748, 12.3295, 60.6118**, and if you desaturate by 10%, it is **16.5573, 14.6435, 60.9856**.

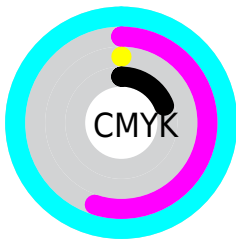
Distribution



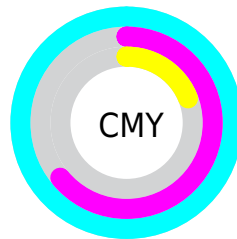
- Red (0%)
- Green (36%)
- Blue (81%)



- Red (0%)
- Yellow (25%)
- Blue (81%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (64%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1768, 12.3337, 60.6122 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 15.1768, 12.3337, 60.6122 by changing the saturation by 10% instead.

■ 15.1768, 12.3337,
60.6122

■ 15.1768, 12.3337,
60.6122

217.8011,
206.6021, 444.7178

■ 9.0307, 6.9714,
43.4838

■ 34.7322, 30.1014,
107.2693

■ 4.8185, 3.4442,
29.9307

■ 48.8721, 43.2756,
137.6350

■ 2.1748, 1.3678,
19.5344

■ 66.4074, 59.8225,
173.2502

■ 0.7294, 0.1928,
11.8763

■ 87.7033, 80.1266,
214.5335

■ 0.0000, 0.0000,
6.5380

■ 113.1253,
104.5722, 261.9033

■ 0.0000, 0.0000,
3.1009

143.0387,

■ 0.0000, 0.0000,

133.5437, 315.7783

1.1464

177.8088,
167.4256, 376.5769

■ 0.0000, 0.0000,
0.0000

■ 15.1768, 12.3337,
60.6122

■ 15.1768, 12.3337,
60.6122

■ 15.1748, 12.3295,
60.6118

■ 16.5573, 14.6435,
60.9856

■ 18.4177, 17.4315,
61.4257

■ 20.8744, 20.7662,
61.9399

■ 23.9923, 24.6894,
62.5328

■ 27.8270, 29.2375,
63.2086

■ 32.4275, 34.4433,
63.9709

■ 37.8383, 40.3368,
64.8233

■ 44.1001, 46.9459,
65.7689

■ 51.2508, 54.2969,
66.8109

Harmonies

Analogous

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



9.9662, 12.3337, 63.3969



15.1768, 12.3337, 60.6122



20.6838, 12.3337, 41.1793

Triad

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



15.1768, 12.3337, 60.6122



19.3160, 12.3337, 1.4766



4.5414, 12.3337, 8.7920

Complementary

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



15.1768, 12.3337, 60.6122



31.7548, 25.3102, 3.2130

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.



5.8157, 12.3337, 2.2002



15.1768, 12.3337, 60.6122



13.6745, 12.3337, 0.3158

Square

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



15.1768, 12.3337, 60.6122



23.5082, 12.3337, 6.2578



8.8372, 12.3337, 0.4893



4.7303, 12.3337, 24.6701

Rectangle

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



15.1768, 12.3337, 60.6122



23.3246, 12.3337, 26.0618



8.8372, 12.3337, 0.4893



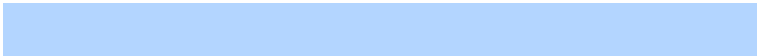
4.7938, 12.3337, 5.7261

Sweetspot

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



15.1774, 12.3340, 60.6126



60.2842, 64.2626, 103.8343



25.3434, 45.8381, 23.3927



12.0811, 12.8667, 22.0967



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.



15.1774, 12.3340, 60.6126



24.1279, 19.3757, 97.0760



11.3931, 4.5730, 59.3140



11.5946, 12.2795, 15.0027



9.6524, 7.9513, 38.2185



0.6184, 0.6019, 2.1632

Inverse Universe

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



27.7085, 14.0567, 11.6087



44.3078, 22.4871, 18.0849



45.2483, 56.4495, 8.5123



12.0263, 11.8953, 13.4142



17.5028, 8.8740, 7.5539



1.0184, 0.5121, 0.6315

Previews

White Background



This preview shows how the XYZ color 15.1768, 12.3337, 60.6122 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 15.1768, 12.3337, 60.6122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

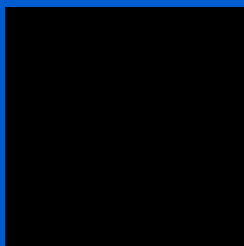
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.1768, 12.3337, 60.6122

Background



This preview shows how black text looks on a background with the XYZ color 15.1768, 12.3337, 60.6122.



This preview shows how white text looks on a background with the XYZ color 15.1768, 12.3337,

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

15.1768, 12.3337, 60.6122

Protanopia

14.6348, 12.4015, 56.8807

Deuteranopia

12.1965, 12.3245, 41.2712



Tritanopia

8.6210, 12.1982, 18.4231

Trichromacy



Original Color

15.1768, 12.3337, 60.6122

Protanomaly

14.7822, 12.3172, 58.0983

Deuteranomaly

13.1246, 12.2381, 47.5694

Tritanomaly

10.2751, 11.8704, 30.1834

Monochromacy



Original Color

15.1768, 12.3337, 60.6122

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.1103, 8.3453, 20.5854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1768, 12.3337, 60.6122 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, 93, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 207)  
}
```

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, 93, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 207) }
```

Border

The CSS property to change the border of an element to XYZ 15.1768, 12.3337, 60.6122 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, 93, 207) }
```


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

```
.border{ border-color:rgb(0, 93, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 93, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 207)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.1768, 12.3337, 60.6122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 93, 207) }
```

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

```
.background{ background-color: rgb(0, 93,  
207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor