

Converting Colors

XYZ(15.1620, 11.3808, 63.4537)

Have a look what the booklet for
XYZ(15.1620, 11.3808, 63.4537)
contains.

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Color

**XYZ(15.2115, 11.4090,
63.6878)**

Conversions

Conversions Part 1

Format	Color
Hex	0056D4
RGB	0, 86, 212
RGB Percent	0%, 34%, 83%
CMY	0.9998, 0.6627, 0.1686
CMYK	1.00, 0.59, 0.00, 0.17
HSL	216°, 100%, 42%
HSV	216°, 100%, 83%
XYZ	15.2115, 11.4090, 63.6878
YIQ	74.6500, -91.7020, 20.9540

Conversions

Conversions Part 2

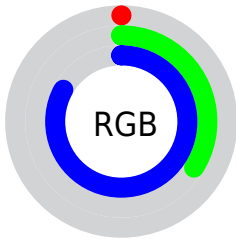
Format	Color
R _{YB}	0, 61, 212
Decimal	22228
CIE Lab	40.26, 28.96, -70.26
CIE LCh	40, 75.995, 292.402
Yxy	11.4090, 0.1684, 0.1263
Android (android.graphics.Color)	4278212308 (0xFF0056D4)
YUV	74.6500, 67.7135, -65.4681
Hunter-Lab	33.7772, 21.2770, -88.1488

Details

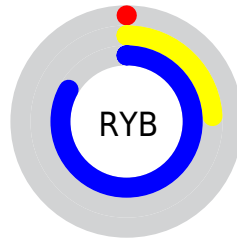
The XYZ color **15.2115, 11.4090, 63.6878** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **34.6202, 28.9340, 3.7618**, and the grayscale version is **6.5224, 6.8621, 7.4728**.

A 20% lighter version of the original color is **32.1935, 27.3727, 98.1944**, and **6.8646, 4.1281, 31.8875** is the 20% darker color. If you saturate the color by 10%, you get **15.2087, 11.4034, 63.6872**, and if you desaturate by 10%, it is **16.6227, 13.7643, 64.0684**.

Distribution



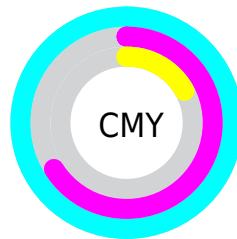
- Red (0%)
- Green (34%)
- Blue (83%)



- Red (0%)
- Yellow (24%)
- Blue (83%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (66%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2115, 11.4090, 63.6878 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 15.2115, 11.4090, 63.6878 by changing the saturation by 10% instead.

■ 15.2115, 11.4090,
63.6878

■ 15.2115, 11.4090,
63.6878

218.0059,
200.4524, 456.2378

■ 9.0552, 6.3426,
45.9533

■ 34.7924, 28.4140,
111.7563

■ 4.8346, 3.0545,
31.8606

■ 48.9478, 41.1215,
142.9274

■ 2.1843, 1.1603,
20.9911

■ 66.5002, 57.1448,
179.4145

■ 0.7345, 0.0289,
12.9263

■ 87.8150, 76.8683,
221.6360

■ 0.0000, 0.0000,
7.2477

■ 113.2577,
100.6764, 270.0106

■ 0.0000, 0.0000,
3.5367

143.1935,

■ 0.0000, 0.0000,

128.9536, 324.9567

1.3748

177.9878,
162.0841, 386.8930

■ 0.0000, 0.0000,
0.1219

■ 0.0000, 0.0000,
0.0000

■ 15.2115, 11.4090,
63.6878

■ 15.2115, 11.4090,
63.6878

■ 15.2087, 11.4034,
63.6872

■ 16.6227, 13.7643,
64.0684

■ 18.5643, 16.6693,
64.5268

■ 21.1597, 20.1996,
65.0714

■ 24.4796, 24.4030,
65.7077

■ 28.5845, 29.3213,
66.4407

■ 33.5281, 34.9924,
67.2748

■ 39.3587, 41.4508,
68.2141

■ 46.1211, 48.7289,
69.2625

■ 53.8565, 56.8569,
70.4236

Harmonies

Analogous

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



9.5510, 11.4090, 69.6537



15.2115, 11.4090, 63.6878



21.0926, 11.4090, 40.1073

Triad

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



15.2115, 11.4090, 63.6878



18.3289, 11.4090, 0.6435



3.5527, 11.4090, 8.9480

Complementary

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



15.2115, 11.4090, 63.6878



34.6202, 28.9340, 3.7618

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.



4.6062, 11.4090, 1.7670



15.2115, 11.4090, 63.6878



12.2486, 11.4090, 0.0000

Square

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



15.2115, 11.4090, 63.6878



23.2636, 11.4090, 4.2872



7.4043, 11.4090, 0.0000



3.8857, 11.4090, 27.2019

Rectangle

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



15.2115, 11.4090, 63.6878



23.7531, 11.4090, 23.5058



7.4043, 11.4090, 0.0000



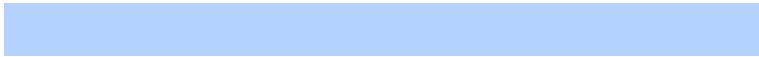
3.7401, 11.4090, 5.5209

Sweetspot

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



15.2121, 11.4092, 63.6881



59.4534, 62.6009, 103.5574



27.1629, 48.5350, 26.9030



11.8860, 12.4764, 22.0317



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.



15.2121, 11.4092, 63.6881



22.9402, 17.0004, 96.6801



12.1286, 4.8806, 62.5905



12.1519, 12.8272, 15.7729



9.4817, 7.2252, 39.3480



0.6520, 0.5961, 2.4000

Inverse Universe

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



28.8318, 14.6702, 10.1159



43.7084, 22.2473, 14.9282



45.8791, 58.6015, 8.8948



12.6299, 12.5034, 13.9911



17.8448, 9.0742, 6.4866



1.1168, 0.5635, 0.6042

Previews

White Background



This preview shows how the XYZ color 15.2115, 11.4090, 63.6878 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 15.2115, 11.4090, 63.6878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

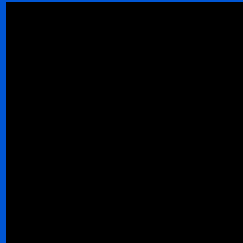
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 15.2115, 11.4090, 63.6878

Background



This preview shows how black text looks on a background with the XYZ color 15.2115, 11.4090, 63.6878.



This preview shows how white text looks on a background with the XYZ color 15.2115, 11.4090,

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

15.2115, 11.4090, 63.6878

Protanopia

13.3667, 11.3324, 51.9350

Deuteranopia

11.1576, 11.3026, 37.6699



Tritanopia

7.9208, 11.2508, 16.7931

Trichromacy



Original Color

15.2115, 11.4090, 63.6878

Protanomaly

13.9977, 11.3149, 56.0898

Deuteranomaly

12.4616, 11.2476, 46.3140

Tritanomaly

9.7130, 10.8735, 29.6038

Monochromacy



Original Color

15.2115, 11.4090, 63.6878

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.7166, 7.7010, 20.4818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2115, 11.4090, 63.6878 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, 86, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 86, 212)  
}
```

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, 86, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 86, 212) }
```

Border

The CSS property to change the border of an element to XYZ 15.2115, 11.4090, 63.6878 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, 86, 212) }
```


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

```
.border{ border-color:rgb(0, 86, 212) }
```

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

Here you see how a box with a 4 pixel rgb(0, 86, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 86, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 86, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 86, 212)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.2115, 11.4090, 63.6878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 86, 212) }
```

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

```
.background{ background-color: rgb(0, 86,  
212) }
```

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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