

Converting Colors

XYZ(15.5998, 12.2523, 63.6114)

Have a look what the booklet for
XYZ(15.5998, 12.2523, 63.6114)
contains.

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Color

**XYZ(15.6248, 12.2356,
63.8256)**

Conversions

Conversions Part 1

Format	Color
Hex	005BD4
RGB	0, 91, 212
RGB Percent	0%, 36%, 83%
CMY	0.9998, 0.6431, 0.1686
CMYK	1.00, 0.57, 0.00, 0.17
HSL	214°, 100%, 42%
HSV	214°, 100%, 83%
XYZ	15.6248, 12.2356, 63.8256
YIQ	77.5850, -93.0770, 18.3390

Conversions

Conversions Part 2

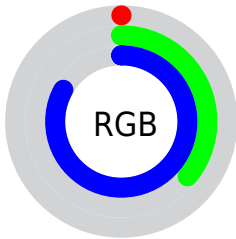
Format	Color
RYB	0, 64, 212
Decimal	23508
CIELab	41.59, 25.68, -68.09
CIELCh	42, 72.772, 290.661
Yxy	12.2356, 0.1704, 0.1335
Android (android.graphics.Color)	4278213588 (0xFF005BD4)
YUV	77.5850, 66.2666, -68.0420
Hunter-Lab	34.9794, 18.5194, -83.6986

Details

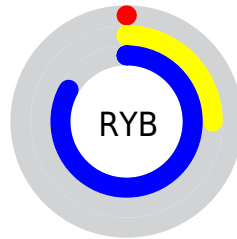
The XYZ color **15.6248, 12.2356, 63.8256** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **33.9963, 27.6861, 3.5538**, and the grayscale version is **7.0589, 7.4265, 8.0875**.

A 20% lighter version of the original color is **32.9076, 28.8009, 98.4325**, and **7.0173, 4.4333, 31.9384** is the 20% darker color. If you saturate the color by 10%, you get **15.6220, 12.2300, 63.8250**, and if you desaturate by 10%, it is **17.0589, 14.6366, 64.2138**.

Distribution



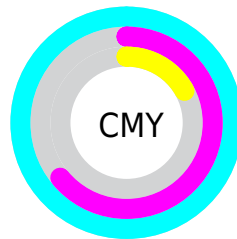
- Red (0%)
- Green (36%)
- Blue (83%)



- Red (0%)
- Yellow (25%)
- Blue (83%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (64%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6248, 12.2356, 63.8256 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 15.6248, 12.2356, 63.8256 by changing the saturation by 10% instead.

■ 15.6248, 12.2356,
63.8256

■ 15.6248, 12.2356,
63.8256

220.4316,
205.9588, 456.7497

■ 9.3482, 6.9043,
46.0642

■ 35.5083, 29.9235,
111.9568

■ 5.0279, 3.4023,
31.9474

■ 49.8460, 43.0489,
143.1636

■ 2.2986, 1.3452,
21.0569

■ 67.6014, 59.5411,
179.6893

■ 0.7939, 0.1758,
12.9739

■ 89.1398, 79.7846,
221.9524

■ 0.0000, 0.0000,
7.2801

■ 114.8267,
104.1638, 270.3715

■ 0.0000, 0.0000,
3.5568

145.0274,

■ 0.0000, 0.0000,

133.0629, 325.3650

1.3855

180.1073,
166.8665, 387.3516

■ 0.0000, 0.0000,
0.1304

■ 0.0000, 0.0000,
0.0000

■ 15.6248, 12.2356,
63.8256

■ 15.6248, 12.2356,
63.8256

■ 15.6220, 12.2300,
63.8250

■ 17.0589, 14.6366,
64.2138

■ 19.0116, 17.5639,
64.6759

■ 21.6052, 21.0908,
65.2200

■ 24.9095, 25.2631,
65.8511

■ 28.9842, 30.1208,
66.5740

■ 33.8819, 35.7002,
67.3928

■ 39.6504, 42.0342,
68.3114

■ 46.3334, 49.1536,
69.3333

■ 53.9716, 57.0873,
70.4621

Harmonies

Analogous

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



10.0475, 12.2356, 68.1717



15.6248, 12.2356, 63.8256



21.4696, 12.2356, 41.8550

Triad

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



15.6248, 12.2356, 63.8256



19.3930, 12.2356, 1.0826



4.1749, 12.2356, 9.1120

Complementary

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



15.6248, 12.2356, 63.8256



33.9963, 27.6861, 3.5538

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.



5.3769, 12.2356, 2.0446



15.6248, 12.2356, 63.8256



13.3695, 12.2356, 0.0000

Square

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



15.6248, 12.2356, 63.8256



24.0655, 12.2356, 5.4291



8.3810, 12.2356, 0.2525



4.4443, 12.2356, 26.5619

Rectangle

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



15.6248, 12.2356, 63.8256



24.1969, 12.2356, 25.5679



8.3810, 12.2356, 0.2525



4.4019, 12.2356, 5.7859

Sweetspot

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



15.6255, 12.2359, 63.8260



59.9002, 63.4945, 103.7063



26.9441, 48.4475, 25.7509



11.9908, 12.6861, 22.0666



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.



15.6255, 12.2359, 63.8260



23.5633, 18.2465, 96.8878



12.0684, 4.8496, 62.5877



12.1764, 12.8762, 15.7811



9.7393, 7.7404, 39.4339



0.6687, 0.6294, 2.4055

Inverse Universe

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



29.0405, 14.7537, 11.2145



44.0228, 22.3731, 16.5842



46.7987, 59.0756, 8.9378



12.6422, 12.5084, 14.0562



17.9748, 9.1262, 7.1714



1.1252, 0.5669, 0.6485

Previews

White Background



This preview shows how the XYZ color 15.6248, 12.2356, 63.8256 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 15.6248, 12.2356, 63.8256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

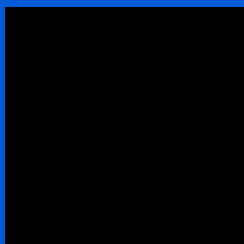
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6248, 12.2356, 63.8256

Background



This preview shows how black text looks on a background with the XYZ color 15.6248, 12.2356, 63.8256.



This preview shows how white text looks on a background with the XYZ color 15.6248, 12.2356,

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

15.6248, 12.2356, 63.8256

Protanopia

14.4280, 12.1755, 56.2333

Deuteranopia

12.0036, 12.0929, 40.7312



Tritanopia

8.5632, 12.1751, 18.1184

Trichromacy



Original Color

15.6248, 12.2356, 63.8256

Protanomaly

14.8134, 12.1883, 58.6986

Deuteranomaly

13.2443, 12.1372, 48.6584

Tritanomaly

10.2564, 11.7048, 30.5728

Monochromacy



Original Color

15.6248, 12.2356, 63.8256

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.2394, 8.3969, 21.2652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6248, 12.2356, 63.8256 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, 91, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 91, 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, 91, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 91, 212) }
```

Border

The CSS property to change the border of an element to XYZ 15.6248, 12.2356, 63.8256 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, 91, 212) }
```


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

```
.border{ border-color:rgb(0, 91, 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, 91, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 91, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 91, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 91, 212)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6248, 12.2356, 63.8256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 91, 212) }
```

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

```
.background{ background-color: rgb(0, 91,  
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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