

Converting Colors

XYZ(10.9952, 10.6636, 61.7843)

Have a look what the booklet for
XYZ(10.9952, 10.6636, 61.7843)
contains.

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Color

**XYZ(15.7833, 13.1528,
62.0285)**

Conversions

Conversions Part 1

Format	Color
Hex	0061D1
RGB	0, 97, 209
RGB Percent	0%, 38%, 82%
CMY	0.9998, 0.6196, 0.1804
CMYK	1.00, 0.54, 0.00, 0.18
HSL	212°, 100%, 41%
HSV	212°, 100%, 82%
XYZ	15.7833, 13.1528, 62.0285
YIQ	80.7650, -93.7640, 14.2680

Conversions

Conversions Part 2

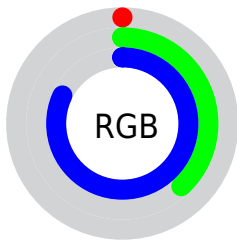
Format	Color
RYB	0, 66, 209
Decimal	25041
CIELab	42.99, 20.55, -64.08
CIELCh	43, 67.298, 287.777
Yxy	13.1528, 0.1735, 0.1446
Android (android.graphics.Color)	4278215121 (0xFF0061D1)
YUV	80.7650, 63.2199, -70.8309
Hunter-Lab	36.2668, 14.2163, -76.0192

Details

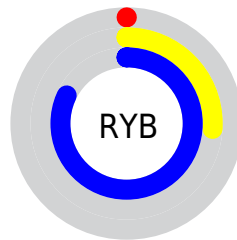
The XYZ color **15.7833, 13.1528, 62.0285** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **32.0945, 25.1547, 3.1652**, and the grayscale version is **7.6706, 8.0701, 8.7883**.

A 20% lighter version of the original color is **33.8505, 30.8541, 98.7791**, and **6.9778, 4.7559, 30.6872** is the 20% darker color. If you saturate the color by 10%, you get **15.7810, 13.1480, 62.0280**, and if you desaturate by 10%, it is **17.2008, 15.5302, 62.4130**.

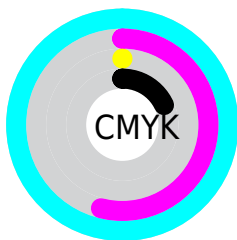
Distribution



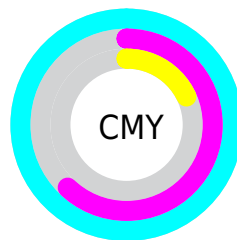
- Red (0%)
- Green (38%)
- Blue (82%)



- Red (0%)
- Yellow (26%)
- Blue (82%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (62%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7833, 13.1528, 62.0285 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 15.7833, 13.1528, 62.0285 by changing the saturation by 10% instead.

■ 15.7833, 13.1528,
62.0285

■ 15.7833, 13.1528,
62.0285

221.3552,
211.8946, 450.0456

■ 9.4608, 7.5339,
44.6198

■ 35.7821, 31.5780,
109.3387

■ 5.1025, 3.7981,
30.8173

■ 50.1891, 45.1531,
140.0773

■ 2.3429, 1.5613,
20.2025

■ 68.0217, 62.1490,
176.0963

■ 0.8165, 0.3313,
12.3568

■ 89.6451, 82.9501,
217.8141

■ 0.0000, 0.0000,
6.8617

■ 115.4249,
107.9408, 265.6495

■ 0.0000, 0.0000,
3.2986

145.7262,

■ 0.0000, 0.0000,

137.5055, 320.0208

1.2490

180.9146,
172.0287, 381.3466

■ 0.0000, 0.0000,
0.0195

■ 0.0000, 0.0000,
0.0000

■ 15.7833, 13.1528,
62.0285

■ 15.7833, 13.1528,
62.0285

■ 15.7810, 13.1480,
62.0280

■ 17.2008, 15.5302,
62.4130

■ 19.1025, 18.3828,
62.8634

■ 21.6063, 21.7794,
63.3870

■ 24.7783, 25.7618,
63.9885

■ 28.6749, 30.3662,
64.6719

■ 33.3459, 35.6255,
65.4409

■ 38.8364, 41.5696,
66.2988

■ 45.1877, 48.2262,
67.2489

■ 52.4383, 55.6214,
68.2942

Harmonies

Analogous

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



10.5154, 13.1528, 63.9421



15.7833, 13.1528, 62.0285



21.3865, 13.1528, 43.1779

Triad

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



15.7833, 13.1528, 62.0285



20.4285, 13.1528, 1.9000



5.0934, 13.1528, 9.1064

Complementary

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



15.7833, 13.1528, 62.0285



32.0945, 25.1547, 3.1652

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.



6.4974, 13.1528, 2.4530



15.7833, 13.1528, 62.0285



14.7228, 13.1528, 0.5840

Square

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



15.7833, 13.1528, 62.0285



24.5355, 13.1528, 7.2773



9.7091, 13.1528, 0.7020



5.2314, 13.1528, 24.8716

Rectangle

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



15.7833, 13.1528, 62.0285



24.1250, 13.1528, 27.9876



9.7091, 13.1528, 0.7020



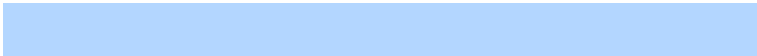
5.3801, 13.1528, 6.0358

Sweetspot

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



15.7840, 13.1531, 62.0289



60.5704, 64.8349, 103.9297



25.6975, 46.7600, 22.8518



12.1484, 13.0014, 22.1192



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.



15.7840, 13.1531, 62.0289



24.5658, 20.2516, 97.2219



11.5970, 4.6498, 60.6082



11.6093, 12.3089, 15.0076



9.8266, 8.2998, 38.2766



0.6285, 0.6221, 2.1665

Inverse Universe

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



28.4528, 14.4195, 12.5928



44.5289, 22.5756, 19.2490



47.1676, 58.1628, 8.7419



12.0337, 11.8982, 13.4532



17.5907, 8.9091, 8.0170



1.0234, 0.5141, 0.6583

Previews

White Background



This preview shows how the XYZ color 15.7833, 13.1528, 62.0285 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 15.7833, 13.1528, 62.0285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

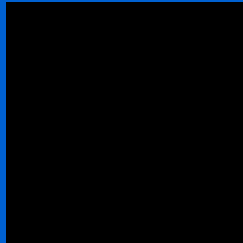
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7833, 13.1528, 62.0285

Background



This preview shows how black text looks on a background with the XYZ color 15.7833, 13.1528, 62.0285.



This preview shows how white text looks on a background with the XYZ color 15.7833, 13.1528,

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

15.7833, 13.1528, 62.0285

Protanopia

15.5372, 13.0544, 60.7323

Deuteranopia

13.0870, 13.1553, 44.4973

Trichromacy



Original Color

15.7833, 13.1528, 62.0285

Protanomaly

15.6599, 13.1035, 61.3784

Deuteranomaly

13.9479, 13.0251, 50.4942

Monochromacy



Original Color

15.7833, 13.1528, 62.0285

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.7207, 9.1050, 21.7199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7833, 13.1528, 62.0285 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, 97, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 209)  
}
```

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, 97, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 209) }
```

Border

The CSS property to change the border of an element to XYZ 15.7833, 13.1528, 62.0285 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, 97, 209) }
```

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

```
.border{ border-color:rgb(0, 97, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 97, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 97, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 97, 209)  
}
```


Background

The CSS property to change the background color of an element to XYZ 15.7833, 13.1528, 62.0285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 97, 209) }
```

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

```
.background{ background-color: rgb(0, 97,  
209) }
```

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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