

Converting Colors

XYZ(13.1175, 7.8015, 61.2010)

Have a look what the booklet for
XYZ(13.1175, 7.8015, 61.2010)
contains.

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Color

**XYZ(13.1245, 7.8352,
61.1422)**

Conversions

Conversions Part 1

Format	Color
Hex	003CD1
RGB	0, 60, 209
RGB Percent	0%, 24%, 82%
CMY	0.9998, 0.7647, 0.1804
CMYK	1.00, 0.71, 0.00, 0.18
HSL	223°, 100%, 41%
HSV	223°, 100%, 82%
XYZ	13.1245, 7.8352, 61.1422
YIQ	59.0460, -83.5890, 33.6190

Conversions

Conversions Part 2

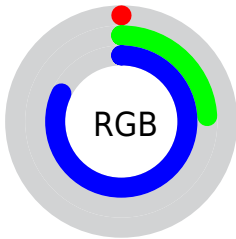
Format	Color
RYB	0, 47, 209
Decimal	15569
CIELab	33.64, 44.48, -79.42
CIELCh	34, 91.029, 299.252
Yxy	7.8352, 0.1599, 0.0954
Android (android.graphics.Color)	4278205649 (0xFF003CD1)
YUV	59.0460, 73.9273, -51.7833
Hunter-Lab	27.9914, 34.7093, -109.9143

Details

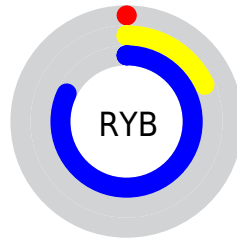
The XYZ color **13.1245, 7.8352, 61.1422** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **37.0504, 35.0666, 4.8172**, and the grayscale version is **4.0760, 4.2883, 4.6699**.

A 20% lighter version of the original color is **29.1215, 20.8882, 97.1047**, and **5.9661, 2.7325, 30.3500** is the 20% darker color. If you saturate the color by 10%, you get **13.1226, 7.8313, 61.1418**, and if you desaturate by 10%, it is **14.3263, 9.7812, 61.4547**.

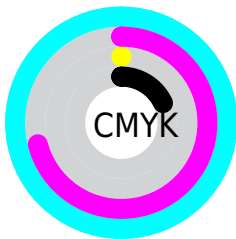
Distribution



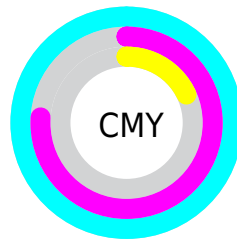
- Red (0%)
- Green (24%)
- Blue (82%)



- Red (0%)
- Yellow (18%)
- Blue (82%)



- Cyan (100%)
- Magenta (71%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (76%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1245, 7.8352, 61.1422 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 13.1245, 7.8352, 61.1422 by changing the saturation by 10% instead.

■ 13.1245, 7.8352,
61.1422

■ 13.1245, 7.8352,
61.1422

205.3355,
174.4336, 446.7162

■ 7.5919, 3.9897,
43.9086

■ 31.1267, 21.6347,
108.0443

■ 3.8846, 1.6678,
30.2620

■ 44.3270, 32.3575,
138.5500

■ 1.6370, 0.4027,
19.7838

■ 60.8140, 46.1415,
174.3168

■ 0.4164, 0.0000,
12.0555

■ 80.9529, 63.3712,
215.7632

■ 0.0000, 0.0000,
6.6585

■ 105.1092, 84.4308,
263.3078

■ 0.0000, 0.0000,
3.1743

■ 133.6481,

■ 0.0000, 0.0000,

109.7048, 317.3691

1.1843

166.9351,
139.5776, 378.3658

■ 0.0000, 0.0000,
0.0000

■ 13.1245, 7.8352,
61.1422

■ 13.1245, 7.8352,
61.1422

■ 13.1226, 7.8313,
61.1418

■ 14.3263, 9.7812,
61.4547

■ 16.0971, 12.3721,
61.8615

■ 18.5646, 15.6960,
62.3730

■ 21.8035, 19.8122,
62.9968

■ 25.8782, 24.7729,
63.7396

■ 30.8459, 30.6255,
64.6074

■ 36.7584, 37.4136,
65.6060

■ 43.6635, 45.1777,
66.7407

■ 51.6056, 53.9560,
68.0165

Harmonies

Analogous

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



7.3237, 7.8352, 74.9656



13.1245, 7.8352, 61.1422



18.9674, 7.8352, 31.3899

Triad

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



13.1245, 7.8352, 61.1422



13.4406, 7.8352, 0.0000



1.4126, 7.8352, 8.1807

Complementary

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



13.1245, 7.8352, 61.1422



37.0504, 35.0666, 4.8172

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.



1.9010, 7.8352, 0.8009



13.1245, 7.8352, 61.1422



7.5719, 7.8352, 0.0000

Square

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



13.1245, 7.8352, 61.1422



19.1998, 7.8352, 0.9448



3.7011, 7.8352, 0.0000



1.8515, 7.8352, 29.9453

Rectangle

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



13.1245, 7.8352, 61.1422



21.2331, 7.8352, 14.6816



3.7011, 7.8352, 0.0000



1.4681, 7.8352, 4.3949

Sweetspot

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



13.1250, 7.8353, 61.1425



57.2833, 58.2607, 102.8340



28.0140, 47.6866, 35.0507



11.3799, 11.4642, 21.8630



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.



13.1250, 7.8353, 61.1425



20.4431, 12.0062, 95.8477



12.4575, 5.0934, 60.6484



11.4360, 11.9623, 14.9499



8.1646, 4.9757, 37.7226



0.5247, 0.4146, 2.1319

Inverse Universe

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



27.1107, 13.8827, 5.5254



42.4479, 21.7432, 8.2909



38.7816, 53.8396, 8.3495



11.9462, 11.8632, 12.9926



16.7518, 8.5736, 3.5993



0.9711, 0.4931, 0.3825

Previews

White Background



This preview shows how the XYZ color 13.1245, 7.8352, 61.1422 looks on a white background.

Color Contrast Check

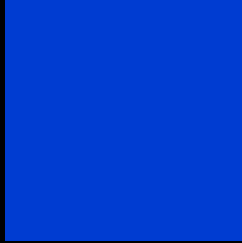
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1245, 7.8352, 61.1422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

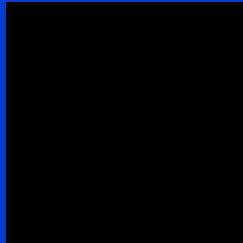
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1245, 7.8352, 61.1422

Background



This preview shows how black text looks on a background with the XYZ color 13.1245, 7.8352, 61.1422.



This preview shows how white text looks on a background with the XYZ color 13.1245, 7.8352,

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

13.1245, 7.8352, 61.1422

Protanopia

9.0175, 7.7421, 34.7373

Deuteranopia

7.4578, 7.6910, 24.7584



Tritanopia

5.4215, 7.7522, 11.3358

Trichromacy



Original Color

13.1245, 7.8352, 61.1422

Protanomaly

10.2260, 7.5947, 43.0464

Deuteranomaly

8.9934, 7.4094, 35.6065

Tritanomaly

7.0976, 7.1980, 23.9370

Monochromacy



Original Color

13.1245, 7.8352, 61.1422

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

5.4006, 4.7549, 16.5527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1245, 7.8352, 61.1422 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, 60, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 60, 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, 60, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 60, 209) }
```

Border

The CSS property to change the border of an element to XYZ 13.1245, 7.8352, 61.1422 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, 60, 209) }
```


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

```
.border{ border-color:rgb(0, 60, 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, 60, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 60, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 60, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 60, 209)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.1245, 7.8352, 61.1422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 60, 209) }
```

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

```
.background{ background-color: rgb(0, 60,  
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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