

Converting Colors

XYZ(13.2404, 8.0472, 61.2420)

Have a look what the booklet for
XYZ(13.2404, 8.0472, 61.2420)
contains.

XYZ(13.2312, 8.0487, 61.1778)	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(13.2312, 8.0487,
61.1778)**

Conversions

Conversions Part 1

Format	Color
Hex	003ED1
RGB	0, 62, 209
RGB Percent	0%, 24%, 82%
CMY	0.9998, 0.7569, 0.1804
CMYK	1.00, 0.70, 0.00, 0.18
HSL	222°, 100%, 41%
HSV	222°, 100%, 82%
XYZ	13.2312, 8.0487, 61.1778
YIQ	60.2200, -84.1390, 32.5730

Conversions

Conversions Part 2

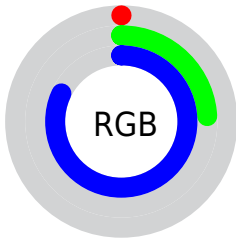
Format	Color
RYB	0, 48, 209
Decimal	16081
CIELab	34.08, 43.25, -78.68
CIELCh	34, 89.788, 298.799
Yxy	8.0487, 0.1605, 0.0976
Android (android.graphics.Color)	4278206161 (0xFF003ED1)
YUV	60.2200, 73.3485, -52.8129
Hunter-Lab	28.3702, 33.6002, -107.9943

Details

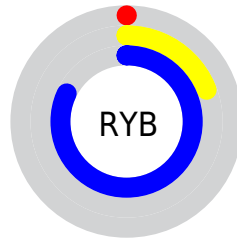
The XYZ color **13.2312, 8.0487, 61.1778** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **36.7356, 34.4370, 4.7121**, and the grayscale version is **4.2370, 4.4576, 4.8544**.

A 20% lighter version of the original color is **29.2194, 21.2554, 97.1704**, and **5.9999, 2.8002, 30.3613** is the 20% darker color. If you saturate the color by 10%, you get **13.2296, 8.0452, 61.1775**, and if you desaturate by 10%, it is **14.4498, 10.0284, 61.4960**.

Distribution



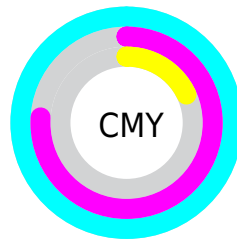
- Red (0%)
- Green (24%)
- Blue (82%)



- Red (0%)
- Yellow (19%)
- Blue (82%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (18%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2312, 8.0487, 61.1778 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 13.2312, 8.0487, 61.1778 by changing the saturation by 10% instead.

■ 13.2312, 8.0487,
61.1778

■ 13.2312, 8.0487,
61.1778

206.0019,
176.1135, 446.8502

■ 7.6660, 4.1261,
43.9372

■ 31.3163, 22.0539,
108.0964

■ 3.9320, 1.7444,
30.2843

■ 44.5670, 32.9052,
138.6114

■ 1.6637, 0.4521,
19.8006

■ 61.1102, 46.8350,
174.3883

■ 0.4334, 0.0000,
12.0675

■ 81.3113, 64.2275,
215.8457

■ 0.0000, 0.0000,
6.6666

■ 105.5357, 85.4673,
263.4020

■ 0.0000, 0.0000,
3.1792

■ 134.1487,

■ 0.0000, 0.0000,

110.9386, 317.4759

1.1869

167.5156,
141.0258, 378.4857

■ 0.0000, 0.0000,
0.0000

■ 13.2312, 8.0487,
61.1778

■ 13.2312, 8.0487,
61.1778

■ 13.2296, 8.0452,
61.1775

■ 14.4498, 10.0284,
61.4960

■ 16.2329, 12.6440,
61.9068

■ 18.7074, 15.9822,
62.4208

■ 21.9475, 20.1008,
63.0450

■ 26.0168, 25.0510,
63.7860

■ 30.9722, 30.8792,
64.6497

■ 36.8648, 37.6278,
65.6418

■ 43.7421, 45.3366,
66.7673

■ 51.6479, 54.0427,
68.0310

Harmonies

Analogous

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



7.4517, 8.0487, 74.3524



13.2312, 8.0487, 61.1778



19.0637, 8.0487, 31.9237

Triad

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



13.2312, 8.0487, 61.1778



13.7369, 8.0487, 0.0000



1.5251, 8.0487, 8.2029

Complementary

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



13.2312, 8.0487, 61.1778



36.7356, 34.4370, 4.7121

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.



2.0456, 8.0487, 0.8565



13.2312, 8.0487, 61.1778



7.8519, 8.0487, 0.0000

Square

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



13.2312, 8.0487, 61.1778



19.4339, 8.0487, 1.0895



3.9115, 8.0487, 0.0000



1.9637, 8.0487, 29.6307

Rectangle

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



13.2312, 8.0487, 61.1778



21.3533, 8.0487, 15.2189



3.9115, 8.0487, 0.0000



1.5873, 8.0487, 4.4537

Sweetspot

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



13.2317, 8.0488, 61.1781



57.4541, 58.6024, 102.8910



28.0138, 47.6865, 35.0500



11.4195, 11.5435, 21.8762



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.



13.2317, 8.0488, 61.1781



20.6074, 12.3348, 95.9025



12.4572, 5.0932, 60.6484



11.4453, 11.9808, 14.9530



8.2322, 5.1110, 37.7451



0.5294, 0.4240, 2.1335

Inverse Universe

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



27.1645, 13.9041, 5.8092



42.5309, 21.7763, 8.7276



38.7813, 53.8395, 8.3493



11.9509, 11.8651, 13.0173



16.7860, 8.5872, 3.7791



0.9735, 0.4941, 0.3950

Previews

White Background



This preview shows how the XYZ color 13.2312, 8.0487, 61.1778 looks on a white background.

Color Contrast Check

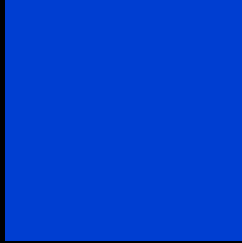
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2312, 8.0487, 61.1778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

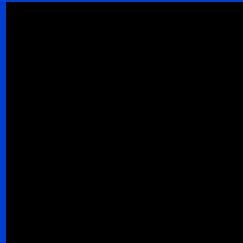
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2312, 8.0487, 61.1778

Background



This preview shows how black text looks on a background with the XYZ color 13.2312, 8.0487, 61.1778.



This preview shows how white text looks on a background with the XYZ color 13.2312, 8.0487,

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

13.2312, 8.0487, 61.1778

Protanopia

9.2647, 7.9521, 35.6969

Deuteranopia

7.6775, 7.8987, 25.5460



Tritanopia

5.5928, 7.9529, 11.8300

Trichromacy



Original Color

13.2312, 8.0487, 61.1778

Protanomaly

10.5556, 7.9300, 44.1543

Deuteranomaly

9.2169, 7.7125, 36.1248

Tritanomaly

7.2399, 7.3695, 24.3334

Monochromacy



Original Color

13.2312, 8.0487, 61.1778

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

5.5053, 4.9645, 16.5877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2312, 8.0487, 61.1778 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, 62, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 62, 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, 62, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 62, 209) }
```

Border

The CSS property to change the border of an element to XYZ 13.2312, 8.0487, 61.1778 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, 62, 209) }
```


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

```
.border{ border-color:rgb(0, 62, 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, 62, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 62, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 62, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 62, 209)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2312, 8.0487, 61.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 62, 209) }
```

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

```
.background{ background-color: rgb(0, 62,  
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](#).

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