

Converting Colors

XYZ(13.2483, 5.4007, 69.4520)

Have a look what the booklet for
XYZ(13.2483, 5.4007, 69.4520)
contains.

XYZ(13.2499, 5.4042, 69.4520)	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(13.2499, 5.4042,
69.4520)**

Conversions

Conversions Part 1

Format	Color
Hex	0006DE
RGB	0, 6, 222
RGB Percent	0%, 2%, 87%
CMY	0.9998, 0.9765, 0.1294
CMYK	1.00, 0.97, 0.00, 0.13
HSL	238°, 100%, 44%
HSV	238°, 100%, 87%
XYZ	13.2499, 5.4042, 69.4520
YIQ	28.8300, -72.9120, 65.9040

Conversions

Conversions Part 2

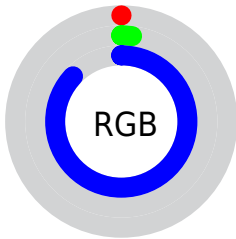
Format	Color
RYB	0, 6, 222
Decimal	1758
CIELab	27.86, 70.22, -96.55
CIELCh	28, 119.382, 306.028
Yxy	5.4042, 0.1504, 0.0613
Android (android.graphics.Color)	4278191838 (0xFF0006DE)
YUV	28.8300, 95.2328, -25.2839
Hunter-Lab	23.2469, 61.0563, -160.8606

Details

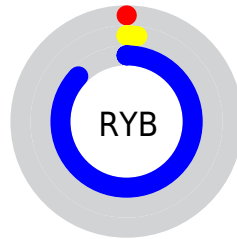
The XYZ color **13.2499, 5.4042, 69.4520** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **54.6975, 64.6756, 9.6022**, and the grayscale version is **1.1016, 1.1589, 1.2621**.

A 20% lighter version of the original color is **26.8602, 14.9210, 96.0721**, and **6.7915, 2.7166, 35.7637** is the 20% darker color. If you saturate the color by 10%, you get **13.2493, 5.4028, 69.4520**, and if you desaturate by 10%, it is **13.9269, 6.2586, 69.5815**.

Distribution



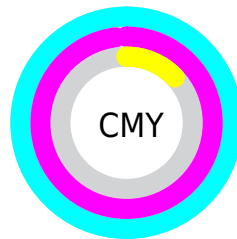
- Red (0%)
- Green (2%)
- Blue (87%)



- Red (0%)
- Yellow (2%)
- Blue (87%)



- Cyan (100%)
- Magenta (97%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (98%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2499, 5.4042, 69.4520 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 13.2499, 5.4042, 69.4520 by changing the saturation by 10% instead.


 13.2499, 5.4042,
69.4520

 13.2499, 5.4042,
69.4520


206.1185,
153.6546, 477.3606


 7.6790, 2.4863,
50.6059


 31.3495, 16.6818,
120.1007


 3.9403, 0.8698,
35.5205


 44.6090, 25.8104,
152.7404


 1.6684, 0.0000,
23.7773


 61.1620, 37.7779,
190.8149

 0.4364, 0.0000,
14.9579

 81.3740, 52.9689,
234.7430

 0.0000, 0.0000,
8.6435

 105.6103, 71.7676,
284.9430


 0.0000, 0.0000,
4.4158

 134.2363, 94.5586,

 0.0000, 0.0000,


341.8336

1.8561

 167.6172,
121.7261, 405.8333


 0.0000, 0.0000,
0.4646

 0.0000, 0.0000,
0.0000


 13.2499, 5.4042,
69.4520


 13.2499, 5.4042,
69.4520

 13.2493, 5.4028,
69.4520

 13.9269, 6.2586,
69.5815

 15.3496, 8.0326,
69.8489

 17.7165, 10.9364,
70.2847

 21.1531, 15.1159,
70.9103

■ 25.7659, 20.6951,
71.7440

■ 31.6485, 27.7832,
72.8021

■ 38.8849, 36.4789,
74.0991

■ 47.5521, 46.8722,
75.6484

■ 57.7213, 59.0466,
77.4624

Harmonies

Analogous

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



6.2278, 5.4042, 99.8928



13.2499, 5.4042, 69.4520



20.1470, 5.4042, 26.0242

Triad

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



13.2499, 5.4042, 69.4520



10.1916, 5.4042, 0.0000



0.0330, 5.4042, 9.3232

Complementary

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



13.2499, 5.4042, 69.4520



54.6975, 64.6756, 9.6022

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.



0.2682, 5.4042, 0.0000



13.2499, 5.4042, 69.4520



4.1808, 5.4042, 0.0000

Square

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



13.2499, 5.4042, 69.4520



17.7106, 5.4042, 0.0000



1.2755, 5.4042, 0.0000



0.5743, 5.4042, 42.2124

Rectangle

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



13.2499, 5.4042, 69.4520



22.2454, 5.4042, 8.0335



1.2755, 5.4042, 0.0000



0.0238, 5.4042, 4.1572

Sweetspot

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



13.2504, 5.4042, 69.4522



52.9566, 49.6073, 101.3918



38.3366, 57.1289, 73.0286



10.3885, 9.4814, 21.5325



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.



13.2504, 5.4042, 69.4522



18.1240, 7.3680, 95.0747



18.8511, 8.1958, 69.6959



12.9813, 13.3017, 17.2710



7.8826, 3.2347, 41.2573



0.5569, 0.2453, 2.8632

Inverse Universe

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



30.1576, 15.5439, 1.5826



41.2773, 21.2749, 2.1267



33.6505, 56.1241, 9.0609



13.7220, 13.7064, 14.3063



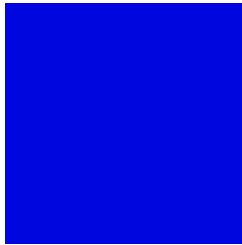
17.9190, 9.2346, 0.9731



1.2474, 0.6422, 0.0954

Previews

White Background



This preview shows how the XYZ color 13.2499, 5.4042, 69.4520 looks on a white background.

Color Contrast Check

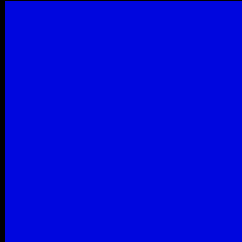
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2499, 5.4042, 69.4520 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 13.2499, 5.4042, 69.4520

Background



This preview shows how black text looks on a background with the XYZ color 13.2499, 5.4042, 69.4520.



This preview shows how white text looks on a background with the XYZ color 13.2499, 5.4042,

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

13.2499, 5.4042, 69.4520

Protanopia

6.3342, 5.5582, 24.0315

Deuteranopia

5.2226, 5.4940, 17.0049



Tritanopia

3.8912, 5.5822, 8.0801

Trichromacy



Original Color

13.2499, 5.4042, 69.4520

Protanomaly

7.8757, 4.5914, 37.0303

Deuteranomaly

6.8097, 4.2871, 31.0404

Tritanomaly

5.1699, 3.8929, 21.5980

Monochromacy



Original Color

13.2499, 5.4042, 69.4520

Achromatopsia

1.1678, 1.2286, 1.3380

Achromatomaly

2.7698, 1.5658, 11.9606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2499, 5.4042, 69.4520 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, 6, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 6, 222)  
}
```

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, 6, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 6, 222) }
```

Border

The CSS property to change the border of an element to XYZ 13.2499, 5.4042, 69.4520 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, 6, 222) }
```


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

```
.border{ border-color:rgb(0, 6, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 6, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 6, 222); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 6, 222); box-shadow:4px  
4px 4px 4px rgb(0, 6, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2499, 5.4042, 69.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 6, 222) }
```

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

```
.background{ background-color: rgb(0, 6,  
222) }
```

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