

Converting Colors

XYZ(13.7133, 6.5428, 68.9424)

Have a look what the booklet for
XYZ(13.7133, 6.5428, 68.9424)
contains.

XYZ(13.7127, 6.5436, 68.9469)	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(13.7127, 6.5436,
68.9469)**

Conversions

Conversions Part 1

Format	Color
Hex	0025DD
RGB	0, 37, 221
RGB Percent	0%, 15%, 87%
CMY	0.9998, 0.8549, 0.1333
CMYK	1.00, 0.83, 0.00, 0.13
HSL	230°, 100%, 43%
HSV	230°, 100%, 87%
XYZ	13.7127, 6.5436, 68.9469
YIQ	46.9130, -81.1160, 49.3800

Conversions

Conversions Part 2

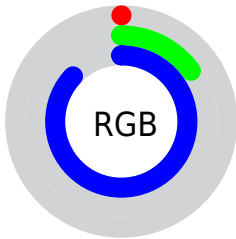
Format	Color
RYB	0, 32, 221
Decimal	9693
CIELab	30.74, 60.75, -91.15
CIELCh	31, 109.542, 303.685
Yxy	6.5436, 0.1537, 0.0734
Android (android.graphics.Color)	4278199773 (0xFF0025DD)
YUV	46.9130, 85.8249, -41.1427
Hunter-Lab	25.5805, 50.9212, -141.8977

Details

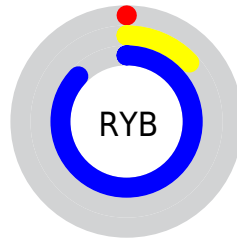
The XYZ color **13.7127, 6.5436, 68.9469** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **46.9721, 49.6780, 7.1147**, and the grayscale version is **2.6128, 2.7488, 2.9935**.

A 20% lighter version of the original color is **27.8886, 17.3514, 96.4870**, and **6.7008, 2.6803, 35.2861** is the 20% darker color. If you saturate the color by 10%, you get **13.7112, 6.5405, 68.9466**, and if you desaturate by 10%, it is **14.7707, 8.1633, 69.2040**.

Distribution



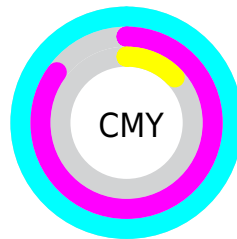
- Red (0%)
- Green (15%)
- Blue (87%)



- Red (0%)
- Yellow (13%)
- Blue (87%)



- Cyan (100%)
- Magenta (83%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (85%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7127, 6.5436, 68.9469 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 13.7127, 6.5436, 68.9469 by changing the saturation by 10% instead.

■ 13.7127, 6.5436,
68.9469

■ 13.7127, 6.5436,
68.9469

208.9827,
163.8156, 475.5325

■ 8.0015, 3.1784,
50.1970

■ 32.1689, 19.0490,
119.3727

■ 4.1477, 1.2255,
35.1977

■ 45.6446, 28.9579,
151.8857

■ 1.7860, 0.0824,
23.5304

■ 62.4392, 41.8169,
189.8234

■ 0.5092, 0.0000,
14.7767

■ 82.9180, 58.0102,
233.6045

■ 0.0000, 0.0000,
8.5179

■ 107.4464, 77.9224,
283.6474

■ 0.0000, 0.0000,
4.3356

■ 136.3898,

■ 0.0000, 0.0000,

101.9377, 340.3707

1.8112

170.1134,
130.4407, 404.1929

0.0000, 0.0000,
0.4353

0.0000, 0.0000,
0.0000

13.7127, 6.5436,
68.9469

13.7127, 6.5436,
68.9469

13.7112, 6.5405,
68.9466

14.7707, 8.1633,
69.2040

16.5366, 10.6331,
69.5877

19.1672, 14.0817,
70.1147

22.7613, 18.6024,
70.7978

■ 27.4036, 24.2768,
71.6484

■ 33.1694, 31.1787,
72.6767

■ 40.1269, 39.3753,
73.8921

■ 48.3387, 48.9291,
75.3034

■ 57.8632, 59.8983,
76.9187

Harmonies

Analogous

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



6.8945, 6.5436, 93.2203



13.7127, 6.5436, 68.9469



20.4635, 6.5436, 29.3226

Triad

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



13.7127, 6.5436, 68.9469



11.8874, 6.5436, 0.0000



0.5664, 6.5436, 9.1599

Complementary

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



13.7127, 6.5436, 68.9469



46.9721, 49.6780, 7.1147

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.



0.8380, 6.5436, 0.3109



13.7127, 6.5436, 68.9469



5.5901, 6.5436, 0.0000

Square

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



13.7127, 6.5436, 68.9469



19.0549, 6.5436, 0.0000



2.1193, 6.5436, 0.0000



1.0213, 6.5436, 38.4366

Rectangle

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



13.7127, 6.5436, 68.9469



22.7319, 6.5436, 10.8221



2.1193, 6.5436, 0.0000



0.5771, 6.5436, 4.3832

Sweetspot

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



13.7133, 6.5436, 68.9471



55.2192, 54.1326, 102.1460



34.1458, 55.0289, 52.2660



10.9037, 10.5118, 21.7042



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.



13.7133, 6.5436, 68.9471



18.9006, 8.9213, 95.3335



15.5790, 6.5245, 68.8451



12.5137, 12.9672, 16.4955



8.0208, 3.9109, 40.0705



0.5745, 0.3631, 2.6142

Inverse Universe

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



30.1533, 15.5069, 3.1537



41.6694, 21.4317, 4.1910



38.6256, 58.2958, 9.2180



13.1444, 13.0869, 14.0218



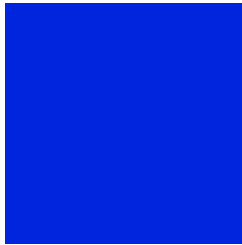
17.5438, 9.0186, 1.9779



1.1643, 0.5953, 0.2739

Previews

White Background



This preview shows how the XYZ color 13.7127, 6.5436, 68.9469 looks on a white background.

Color Contrast Check

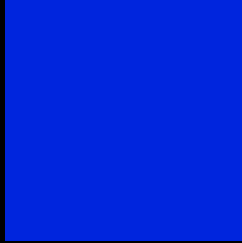
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7127, 6.5436, 68.9469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

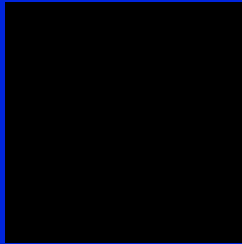
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7127, 6.5436, 68.9469

Background



This preview shows how black text looks on a background with the XYZ color 13.7127, 6.5436, 68.9469.



This preview shows how white text looks on a background with the XYZ color 13.7127, 6.5436,

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

13.7127, 6.5436, 68.9469

Protanopia

7.4566, 6.4869, 28.4629

Deuteranopia

6.1542, 6.4874, 19.9966



Tritanopia

4.5427, 6.5250, 9.4075

Trichromacy



Original Color

13.7127, 6.5436, 68.9469

Protanomaly

9.1530, 6.0821, 40.7359

Deuteranomaly

7.9268, 5.8407, 33.5105

Tritanomaly

6.1934, 5.5018, 23.2898

Monochromacy



Original Color

13.7127, 6.5436, 68.9469

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.2138, 3.1296, 15.1338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7127, 6.5436, 68.9469 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, 37, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 37, 221)  
}
```

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, 37, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 37, 221) }
```

Border

The CSS property to change the border of an element to XYZ 13.7127, 6.5436, 68.9469 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, 37, 221) }
```


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

```
.border{ border-color:rgb(0, 37, 221) }
```

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

Here you see how a box with a 4 pixel rgb(0, 37, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 37, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 37, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 37, 221)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7127, 6.5436, 68.9469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 37, 221) }
```

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

```
.background{ background-color: rgb(0, 37,  
221) }
```

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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