

Converting Colors

XYZ(13.6328, 6.2020, 69.4805)

Have a look what the booklet for
XYZ(13.6328, 6.2020, 69.4805)
contains.

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Color

**XYZ(13.6491, 6.2025,
69.5851)**

Conversions

Conversions Part 1

Format	Color
Hex	001EDE
RGB	0, 30, 222
RGB Percent	0%, 12%, 87%
CMY	0.9998, 0.8824, 0.1294
CMYK	1.00, 0.86, 0.00, 0.13
HSL	232°, 100%, 44%
HSV	232°, 100%, 87%
XYZ	13.6491, 6.2025, 69.5851
YIQ	42.9180, -79.5120, 53.3520

Conversions

Conversions Part 2

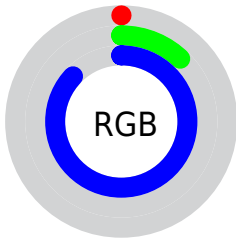
Format	Color
R _Y B	0, 26, 222
Decimal	7902
CIE Lab	29.92, 63.91, -93.10
CIE LCh	30, 112.930, 304.468
Yxy	6.2025, 0.1526, 0.0694
Android (android.graphics.Color)	4278197982 (0xFF001EDE)
YUV	42.9180, 88.2874, -37.6391
Hunter-Lab	24.9048, 54.2436, -148.2254

Details

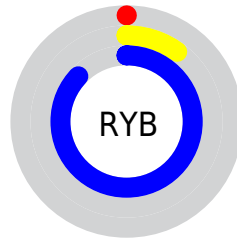
The XYZ color **13.6491, 6.2025, 69.5851** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **48.9879, 53.2563, 7.6991**, and the grayscale version is **2.2132, 2.3285, 2.5357**.

A 20% lighter version of the original color is **27.4977, 16.5696, 96.3567**, and **6.7915, 2.7166, 35.7637** is the 20% darker color. If you saturate the color by 10%, you get **13.6478, 6.1998, 69.5849**, and if you desaturate by 10%, it is **14.6280, 7.6607, 69.8152**.

Distribution



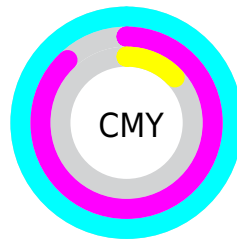
- Red (0%)
- Green (12%)
- Blue (87%)



- Red (0%)
- Yellow (10%)
- Blue (87%)



- Cyan (100%)
- Magenta (86%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (88%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6491, 6.2025, 69.5851 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 13.6491, 6.2025, 69.5851 by changing the saturation by 10% instead.

■ 13.6491, 6.2025,
69.5851

■ 13.6491, 6.2025,
69.5851

208.5914,
160.8623, 477.8416

■ 7.9571, 2.9686,
50.7136

■ 32.0566, 18.3498,
120.2924

■ 4.1191, 1.1154,
35.6056

■ 45.5028, 28.0321,
152.9654

■ 1.7697, 0.0000,
23.8425

■ 62.2644, 40.6326,
191.0760

■ 0.4993, 0.0000,
15.0057

■ 82.7068, 56.5357,
235.0427

■ 0.0000, 0.0000,
8.6767

■ 107.1953, 76.1258,
285.2841


■ 0.0000, 0.0000,
4.4370


■ 136.0954, 99.7873,


■ 0.0000, 0.0000,


342.2186


1.8680


 169.7723,
127.9047, 406.2650

 0.0000, 0.0000,
0.4723


 0.0000, 0.0000,
0.0000


 13.6491, 6.2025,
69.5851


 13.6491, 6.2025,
69.5851

 13.6478, 6.1998,
69.5849

 14.6280, 7.6607,
69.8152

 16.3349, 10.0028,
70.1773

 18.9338, 13.3706,
70.6904

 22.5292, 17.8675,
71.3689

■ 27.2108, 23.5840,
72.2255

■ 33.0580, 30.6012,
73.2718

■ 40.1427, 38.9932,
74.5182

■ 48.5310, 48.8284,
75.9745

■ 58.2843, 60.1708,
77.6498

Harmonies

Analogous

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



6.7169, 6.2025, 95.9642



13.6491, 6.2025, 69.5851



20.4938, 6.2025, 28.4378

Triad

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



13.6491, 6.2025, 69.5851



11.4020, 6.2025, 0.0000



0.3996, 6.2025, 9.2644

Complementary

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



13.6491, 6.2025, 69.5851



48.9879, 53.2563, 7.6991

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.



0.6604, 6.2025, 0.2033



13.6491, 6.2025, 69.5851



5.1436, 6.2025, 0.0000

Square

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



13.6491, 6.2025, 69.5851



18.7421, 6.2025, 0.0000



1.8299, 6.2025, 0.0000



0.8756, 6.2025, 39.8670

Rectangle

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



13.6491, 6.2025, 69.5851



22.7237, 6.2025, 9.9401



1.8299, 6.2025, 0.0000



0.4041, 6.2025, 4.3330

Sweetspot

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



13.6497, 6.2025, 69.5853



54.6838, 53.0617, 101.9675



35.2758, 55.9046, 56.9099



10.7811, 10.2666, 21.6634



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.



13.6497, 6.2025, 69.5853



18.6334, 8.3869, 95.2445



16.3057, 6.8837, 69.5768



13.1004, 13.5399, 17.3107



8.1527, 3.7750, 41.3473



0.6138, 0.3590, 2.8822

Inverse Universe

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



30.3592, 15.6246, 2.6436



41.5345, 21.3778, 3.4808



37.6792, 58.2010, 9.2496



13.7821, 13.7305, 14.6229



18.0553, 9.2891, 1.6911



1.2761, 0.6537, 0.2466

Previews

White Background



This preview shows how the XYZ color 13.6491, 6.2025, 69.5851 looks on a white background.

Color Contrast Check

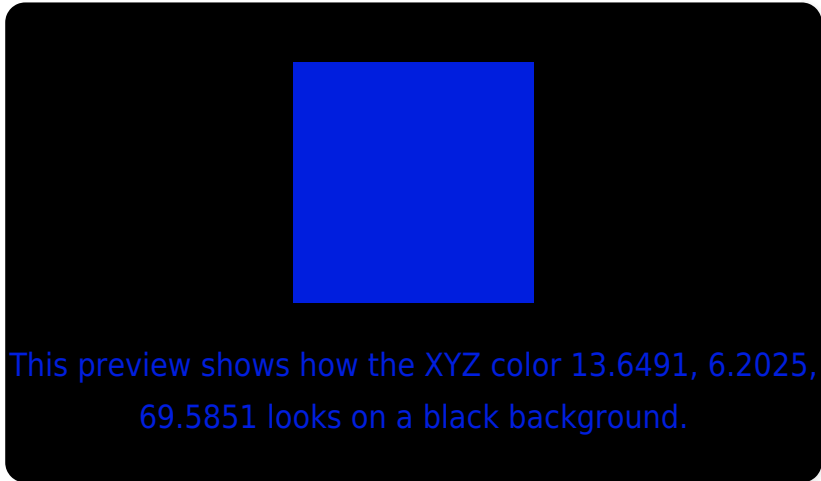
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 13.6491, 6.2025, 69.5851

Background



This preview shows how black text looks on a background with the XYZ color 13.6491, 6.2025, 69.5851.



This preview shows how white text looks on a background with the XYZ color 13.6491, 6.2025,

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

13.6491, 6.2025, 69.5851

Protanopia

7.0250, 6.1174, 26.7971

Deuteranopia

5.8337, 6.1456, 18.9679



Tritanopia

4.3190, 6.2012, 8.9520

Trichromacy



Original Color

13.6491, 6.2025, 69.5851

Protanomaly

8.7656, 5.6169, 39.6519

Deuteranomaly

7.6347, 5.3949, 32.9867

Tritanomaly

5.9024, 5.0309, 22.8503

Monochromacy



Original Color

13.6491, 6.2025, 69.5851

Achromatopsia

2.2962, 2.4158, 2.6308

Achromatomaly

3.8519, 2.7019, 14.5059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6491, 6.2025, 69.5851 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, 30, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 30, 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, 30, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 30, 222) }
```

Border

The CSS property to change the border of an element to XYZ 13.6491, 6.2025, 69.5851 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, 30, 222) }
```


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

```
.border{ border-color:rgb(0, 30, 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, 30, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 30, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 30, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 30, 222)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6491, 6.2025, 69.5851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 30, 222) }
```

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

```
.background{ background-color: rgb(0, 30,  
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](#).

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