

Converting Colors

XYZ(13.2153, 5.3808, 68.7490)

Have a look what the booklet for
XYZ(13.2153, 5.3808, 68.7490)
contains.

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Color

**XYZ(13.2181, 5.3871,
68.7498)**

Conversions

Conversions Part 1

Format	Color
Hex	0905DD
RGB	9, 5, 221
RGB Percent	4%, 2%, 87%
CMY	0.9645, 0.9805, 0.1333
CMYK	0.96, 0.98, 0.00, 0.13
HSL	241°, 96%, 44%
HSV	241°, 98%, 87%
XYZ	13.2181, 5.3871, 68.7498
YIQ	30.8200, -66.9520, 68.0240

Conversions

Conversions Part 2

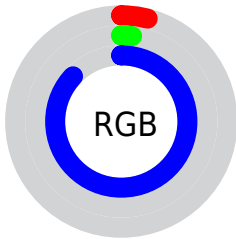
Format	Color
R _Y B	9, 5, 221
Decimal	591325
CIE Lab	27.81, 70.21, -96.05
CIE LCh	28, 118.971, 306.167
Yxy	5.3871, 0.1513, 0.0617
Android (android.graphics.Color)	4278781405 (0xFF0905DD)
YUV	30.8200, 93.7587, -19.1361
Hunter-Lab	23.2101, 61.0375, -159.3735

Details

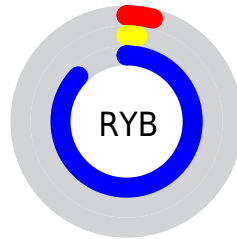
The XYZ color **13.2181, 5.3871, 68.7498** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **54.4773, 66.4645, 10.1007**, and the grayscale version is **1.2318, 1.2959, 1.4113**.

A 20% lighter version of the original color is **26.9272, 14.8650, 96.0577**, and **6.7008, 2.6803, 35.2861** is the 20% darker color. If you saturate the color by 10%, you get **13.1034, 5.2474, 68.7291**, and if you desaturate by 10%, it is **14.0023, 6.2954, 68.8840**.

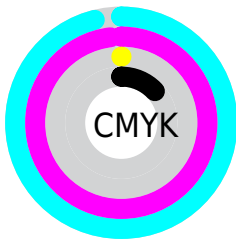
Distribution



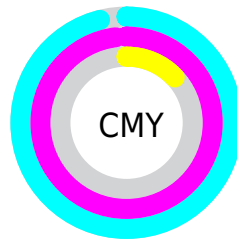
- Red (4%)
- Green (2%)
- Blue (87%)



- Red (4%)
- Yellow (2%)
- Blue (87%)



- Cyan (96%)
- Magenta (98%)
- Yellow (0%)
- Black (13%)



- Cyan (96%)
- Magenta (98%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2181, 5.3871, 68.7498 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 13.2181, 5.3871, 68.7498 by changing the saturation by 10% instead.

■ 13.2181, 5.3871,
68.7498

■ 13.2181, 5.3871,
68.7498

205.9202,
153.4952, 474.8180

■ 7.6569, 2.4761,
50.0375

■ 31.2930, 16.6456,
119.0885

■ 3.9262, 0.8646,
35.0718

■ 44.5375, 25.7619,
151.5519

■ 1.6605, 0.0000,
23.4342

■ 61.0739, 37.7154,
189.4362

■ 0.4313, 0.0000,
14.7061

■ 81.2674, 52.8905,
233.1597

■ 0.0000, 0.0000,
8.4691

■ 105.4834, 71.6717,
283.1411

■ 0.0000, 0.0000,
4.3045


■ 134.0873, 94.4432,


■ 0.0000, 0.0000,


339.7990


1.7938


 167.4445,
121.5896, 403.5518

 0.0000, 0.0000,
0.4239

 0.0000, 0.0000,
0.0000

 13.2181, 5.3871,
68.7498


 13.2181, 5.3871,
68.7498

 13.1034, 5.2474,
68.7291

 14.0023, 6.2954,
68.8840

 15.5952, 8.1737,
69.1626

 18.1546, 11.2230,
69.6163

 21.8009, 15.5918,
70.2674

■ 26.6368, 21.4070,
71.1349

■ 32.7533, 28.7802,
72.2357

■ 40.2325, 37.8125,
73.5850

■ 49.1496, 48.5961,
75.1964

■ 59.5743, 61.2168,
77.0830

Harmonies

Analogous

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



6.2319, 5.3871, 99.0948



13.2181, 5.3871, 68.7498



20.0543, 5.3871, 25.7041

Triad

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



13.2181, 5.3871, 68.7498



10.1106, 5.3871, 0.0000



0.0388, 5.3871, 9.3755

Complementary

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



13.2181, 5.3871, 68.7498



54.4773, 66.4645, 10.1007

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.



0.2696, 5.3871, 0.0000



13.2181, 5.3871, 68.7498



4.1494, 5.3871, 0.0000

Square

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



13.2181, 5.3871, 68.7498



17.5803, 5.3871, 0.0000



1.2693, 5.3871, 0.0000



0.5817, 5.3871, 42.1362

Rectangle

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



13.2181, 5.3871, 68.7498



22.1180, 5.3871, 7.9201



1.2693, 5.3871, 0.0000



0.0285, 5.3871, 4.2012

Sweetspot

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



13.2186, 5.3871, 68.7500



53.9806, 50.2874, 101.4691



38.0297, 55.0849, 77.0350



10.5780, 9.5845, 21.5424



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.



13.2186, 5.3871, 68.7500



18.1102, 7.2510, 95.0528



20.3866, 9.0823, 69.0855



12.3613, 12.6288, 16.4382



7.6225, 3.0537, 39.9261



0.5020, 0.2021, 2.5870

Inverse Universe

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



42.3878, 20.4863, 67.3157



58.5253, 28.1741, 92.9531



32.2387, 55.0001, 9.0600



13.6032, 13.2704, 16.4379



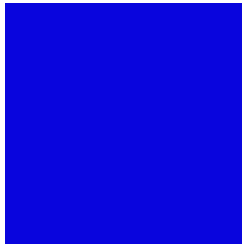
24.5902, 11.8371, 39.0834



1.5965, 0.7682, 2.5502

Previews

White Background



This preview shows how the XYZ color 13.2181, 5.3871, 68.7498 looks on a white background.

Color Contrast Check

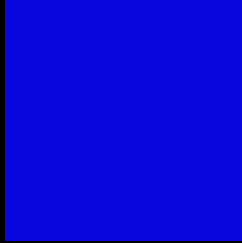
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2181, 5.3871, 68.7498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

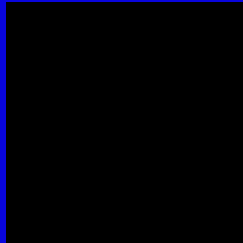
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2181, 5.3871, 68.7498

Background



This preview shows how black text looks on a background with the XYZ color 13.2181, 5.3871, 68.7498.



This preview shows how white text looks on a background with the XYZ color 13.2181, 5.3871,

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

13.2181, 5.3871, 68.7498

Protanopia

6.3342, 5.5582, 24.0315

Deuteranopia

5.2226, 5.4940, 17.0049



Tritanopia

3.8239, 5.4476, 8.0577

Trichromacy



Original Color

13.2181, 5.3871, 68.7498

Protanomaly

7.8765, 4.5371, 37.0198

Deuteranomaly

6.8473, 4.3064, 31.0422

Tritanomaly

5.1651, 3.8277, 21.5857

Monochromacy



Original Color

13.2181, 5.3871, 68.7498

Achromatopsia

1.3024, 1.3702, 1.4922

Achromatomaly

2.9405, 1.6761, 12.2251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2181, 5.3871, 68.7498 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(9, 5, 221)` looks like.

```
.text, #text, p{  
    color:rgb(9, 5, 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(9, 5, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 5, 221) }
```

Border

The CSS property to change the border of an element to XYZ 13.2181, 5.3871, 68.7498 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(9, 5, 221) }
```


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

```
.border{ border-color:rgb(9, 5, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 5, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 5, 221); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 5, 221); box-shadow:4px  
4px 4px 4px rgb(9, 5, 221) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2181, 5.3871, 68.7498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 5, 221) }
```

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

```
.background{ background-color: rgb(9, 5,  
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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