

Converting Colors

XYZ(10.1349, 4.1352, 49.6986)

Have a look what the booklet for
XYZ(10.1349, 4.1352, 49.6986)
contains.

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Color

**XYZ(10.0971, 4.1189,
49.5531)**

Conversions

Conversions Part 1

Format	Color
Hex	2300BF
RGB	35, 0, 191
RGB Percent	14%, 0%, 75%
CMY	0.8627, 1.0000, 0.2510
CMYK	0.82, 1.00, 0.00, 0.25
HSL	251°, 100%, 37%
HSV	251°, 100%, 75%
XYZ	10.0971, 4.1189, 49.5531
YIQ	32.2390, -40.4510, 66.8210

Conversions

Conversions Part 2

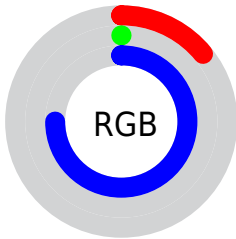
Format	Color
RYB	35, 0, 191
Decimal	2293951
CIELab	24.06, 64.13, -84.77
CIELCh	24, 106.293, 307.108
Yxy	4.1189, 0.1583, 0.0646
Android (android.graphics.Color)	4280484031 (0xFF2300BF)
YUV	32.2390, 78.2692, 2.4214
Hunter-Lab	20.2951, 53.2900, -130.5578

Details

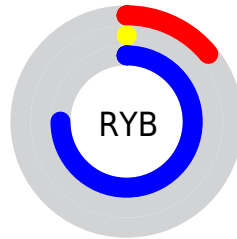
The XYZ color **10.0971, 4.1189, 49.5531** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **32.3385, 44.3283, 6.8518**, and the grayscale version is **1.3384, 1.4081, 1.5334**.

A 20% lighter version of the original color is **25.6864, 13.9053, 90.9527**, and **4.4439, 1.7776, 23.4014** is the 20% darker color. If you saturate the color by 10%, you get **10.0976, 4.1192, 49.5533**, and if you desaturate by 10%, it is **10.9844, 4.9245, 49.6620**.

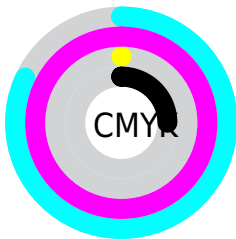
Distribution



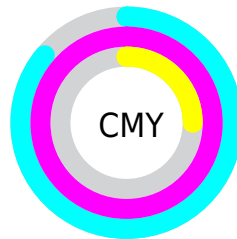
- Red (14%)
- Green (0%)
- Blue (75%)



- Red (14%)
- Yellow (0%)
- Blue (75%)



- Cyan (82%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (86%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0971, 4.1189, 49.5531 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 10.0971, 4.1189, 49.5531 by changing the saturation by 10% instead.

■ 10.0971, 4.1189,
49.5531

■ 10.0971, 4.1189,
49.5531

185.4029,
140.9497, 401.6006

■ 5.5261, 1.7403,
34.6897

■ 25.6260, 13.8802,
90.9019

■ 2.5970, 0.4495,
23.1423

■ 37.3147, 22.0318,
118.2243

■ 0.9445, 0.0000,
14.4924

■ 52.1066, 32.8764,
150.5369

■ 0.0000, 0.0000,
8.3213

■ 70.3671, 46.7985,
188.2582

■ 0.0000, 0.0000,
4.2105

■ 92.4617, 64.1825,
231.8066


■ 0.0000, 0.0000,
1.7415

■ 118.7556, 85.4127,


■ 0.0000, 0.0000,


281.6008

0.3889

 149.6142,
110.8737, 338.0593

 0.0000, 0.0000,
0.0000

 10.0971, 4.1189,
49.5531


 10.0971, 4.1189,
49.5531


 10.0976, 4.1192,
49.5533

 10.9844, 4.9245,
49.6620

 12.3646, 6.3263,
49.8598

 14.3452, 8.5030,
50.1756

 16.9895, 11.5497,
50.6243

 20.3524, 15.5476,
51.2187

■ 24.4828, 20.5684,
51.9701

■ 29.4251, 26.6768,
52.8887

■ 35.2205, 33.9321,
53.9836

■ 41.9071, 42.3892,
55.2636

Harmonies

Analogous

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



4.8794, 4.1189, 72.3777



10.0971, 4.1189, 49.5531



15.0660, 4.1189, 18.3226

Triad

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



10.0971, 4.1189, 49.5531



7.4544, 4.1189, 0.0000



0.0000, 4.1189, 7.5657

Complementary

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



10.0971, 4.1189, 49.5531



32.3385, 44.3283, 6.8518

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.



0.1413, 4.1189, 0.0095



10.0971, 4.1189, 49.5531



3.0867, 4.1189, 0.0000

Square

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



10.0971, 4.1189, 49.5531



12.9741, 4.1189, 0.0000



0.9725, 4.1189, 0.0000



0.4624, 4.1189, 32.1642

Rectangle

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



10.0971, 4.1189, 49.5531



16.4840, 4.1189, 5.6127



0.9725, 4.1189, 0.0000



0.0000, 4.1189, 3.5191

Sweetspot

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



10.0976, 4.1192, 49.5533



52.2460, 47.2129, 94.6385



21.8309, 28.6153, 53.6631



10.6096, 9.2972, 20.6206



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.0976, 4.1192, 49.5533



17.9400, 7.3028, 88.7432



18.2062, 8.2993, 49.9328



9.1753, 9.3072, 11.9851



6.6864, 2.7330, 32.5680



0.3123, 0.1330, 1.2781

Inverse Universe

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



27.4855, 13.4762, 32.5988



49.1427, 24.1024, 57.9428



20.7236, 38.3406, 6.3082



9.8529, 9.6655, 11.6143



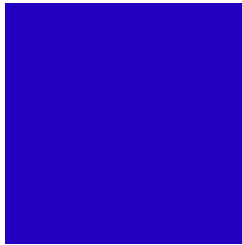
18.0905, 8.8673, 21.5678



0.7285, 0.3553, 0.9493

Previews

White Background



This preview shows how the XYZ color 10.0971, 4.1189, 49.5531 looks on a white background.

Color Contrast Check

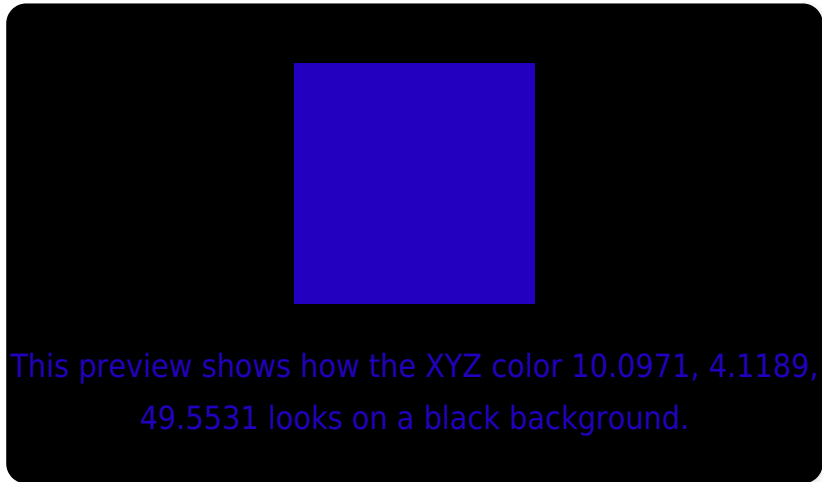
Large Text (above 18pt) WCAG AA ✓ Pass

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

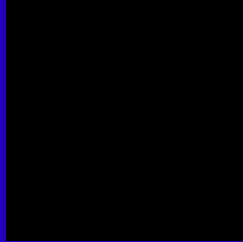
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0971, 4.1189, 49.5531

Background



This preview shows how black text looks on a background with the XYZ color 10.0971, 4.1189, 49.5531.



This preview shows how white text looks on a background with the XYZ color 10.0971, 4.1189,

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

10.0971, 4.1189, 49.5531

Protanopia

4.9642, 4.4066, 18.6781

Deuteranopia

4.1209, 4.4046, 13.2033



Tritanopia

3.0224, 4.3261, 6.3059

Trichromacy



Original Color

10.0971, 4.1189, 49.5531

Protanomaly

6.0159, 3.4840, 27.5495

Deuteranomaly

5.1946, 3.2578, 22.9093

Tritanomaly

3.9746, 2.9337, 15.9796

Monochromacy



Original Color

10.0971, 4.1189, 49.5531

Achromatopsia

1.3729, 1.4444, 1.5729

Achromatomaly

2.7228, 1.5618, 9.8308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0971, 4.1189, 49.5531 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(35, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(35, 0, 191)  
}
```

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(35, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 10.0971, 4.1189, 49.5531 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(35, 0, 191) }
```


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

```
.border{ border-color:rgb(35, 0, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(35, 0, 191)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.0971, 4.1189, 49.5531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 0, 191) }
```

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

```
.background{ background-color: rgb(35, 0,  
191) }
```

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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