

Converting Colors

XYZ(10.4112, 4.2449, 51.1919)

Have a look what the booklet for
XYZ(10.4112, 4.2449, 51.1919)
contains.

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Color

**XYZ(10.4307, 4.2524,
51.3100)**

Conversions

Conversions Part 1

Format	Color
Hex	2300C2
RGB	35, 0, 194
RGB Percent	14%, 0%, 76%
CMY	0.8627, 1.0000, 0.2392
CMYK	0.82, 1.00, 0.00, 0.24
HSL	251°, 100%, 38%
HSV	251°, 100%, 76%
XYZ	10.4307, 4.2524, 51.3100
YIQ	32.5810, -41.4140, 67.7540

Conversions

Conversions Part 2

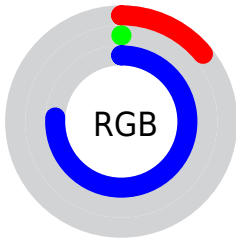
Format	Color
RYB	35, 0, 194
Decimal	2293954
CIELab	24.49, 64.86, -85.83
CIELCh	24, 107.581, 307.080
Yxy	4.2524, 0.1581, 0.0644
Android (android.graphics.Color)	4280484034 (0xFF2300C2)
YUV	32.5810, 79.5796, 2.1215
Hunter-Lab	20.6213, 54.2016, -133.0903

Details

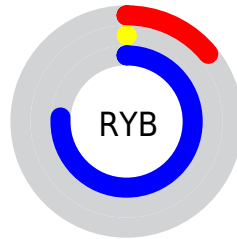
The XYZ color **10.4307, 4.2524, 51.3100** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **33.5875, 45.9534, 7.0996**, and the grayscale version is **1.3617, 1.4326, 1.5602**.

A 20% lighter version of the original color is **26.2141, 14.2058, 93.4558**, and **4.6602, 1.8641, 24.5403** is the 20% darker color. If you saturate the color by 10%, you get **10.4312, 4.2526, 51.3102**, and if you desaturate by 10%, it is **11.3381, 5.0760, 51.4213**.

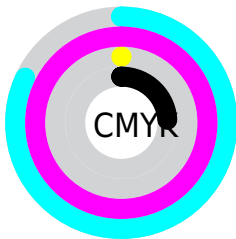
Distribution



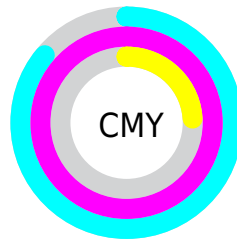
- Red (14%)
- Green (0%)
- Blue (76%)



- Red (14%)
- Yellow (0%)
- Blue (76%)



- Cyan (82%)
- Magenta (100%)
- Yellow (0%)
- Black (24%)



- Cyan (86%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4307, 4.2524, 51.3100 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 10.4307, 4.2524, 51.3100 by changing the saturation by 10% instead.

■ 10.4307, 4.2524,
51.3100

■ 10.4307, 4.2524,
51.3100

187.7091,
142.3465, 408.6479

■ 5.7499, 1.8157,
36.0769

■ 26.2449, 14.1792,
93.5290

■ 2.7328, 0.4969,
24.2035

■ 38.1090, 22.4382,
121.3521

■ 1.0141, 0.0000,
15.2710

■ 53.0983, 33.4067,
154.2089

■ 0.0000, 0.0000,
8.8611

■ 71.5780, 47.4692,
192.5179

■ 0.0000, 0.0000,
4.5551

■ 93.9136, 65.0100,
236.6978


■ 0.0000, 0.0000,
1.9346

■ 120.4704, 86.4136,

■ 0.0000, 0.0000,

287.1671

0.5146


 151.6138,
112.0643, 344.3443

 0.0000, 0.0000,
0.0000

 10.4307, 4.2524,
51.3100

 10.4307, 4.2524,
51.3100


 10.4312, 4.2526,
51.3102

 11.3381, 5.0760,
51.4213

 12.7584, 6.5196,
51.6251

 14.8025, 8.7672,
51.9512

 17.5365, 11.9178,
52.4152

 21.0179, 16.0559,
53.0305

■ 25.2975, 21.2562,
53.8087

■ 30.4219, 27.5861,
54.7604

■ 36.4339, 35.1071,
55.8952

■ 43.3734, 43.8766,
57.2222

Harmonies

Analogous

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



5.0347, 4.2524, 74.9225



10.4307, 4.2524, 51.3100



15.5745, 4.2524, 18.9714

Triad

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



10.4307, 4.2524, 51.3100



7.7075, 4.2524, 0.0000



0.0000, 4.2524, 7.8012

Complementary

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



10.4307, 4.2524, 51.3100



33.5875, 45.9534, 7.0996

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.



0.1579, 4.2524, 0.0227



10.4307, 4.2524, 51.3100



3.1888, 4.2524, 0.0000

Square

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



10.4307, 4.2524, 51.3100



13.4182, 4.2524, 0.0000



1.0027, 4.2524, 0.0000



0.4816, 4.2524, 33.2426

Rectangle

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



10.4307, 4.2524, 51.3100



17.0451, 4.2524, 5.8087



1.0027, 4.2524, 0.0000



0.0000, 4.2524, 3.6229

Sweetspot

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



10.4312, 4.2526, 51.3102



54.6391, 49.3852, 99.1223



22.5994, 29.6185, 55.5650



11.0558, 9.6877, 21.5371



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.



10.4312, 4.2526, 51.3102



18.7492, 7.6275, 92.9539



18.8417, 8.5884, 51.7038



9.6941, 9.8335, 12.6719



6.9087, 2.8220, 33.7372



0.3515, 0.1493, 1.4602

Inverse Universe

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



28.5052, 13.9722, 33.9898



51.5569, 25.2791, 61.1221



21.4498, 39.6962, 6.5316



10.4168, 10.2153, 12.2853



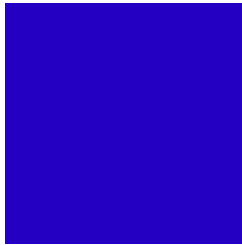
18.7689, 9.1973, 22.4927



0.8318, 0.4057, 1.0816

Previews

White Background



This preview shows how the XYZ color 10.4307, 4.2524, 51.3100 looks on a white background.

Color Contrast Check

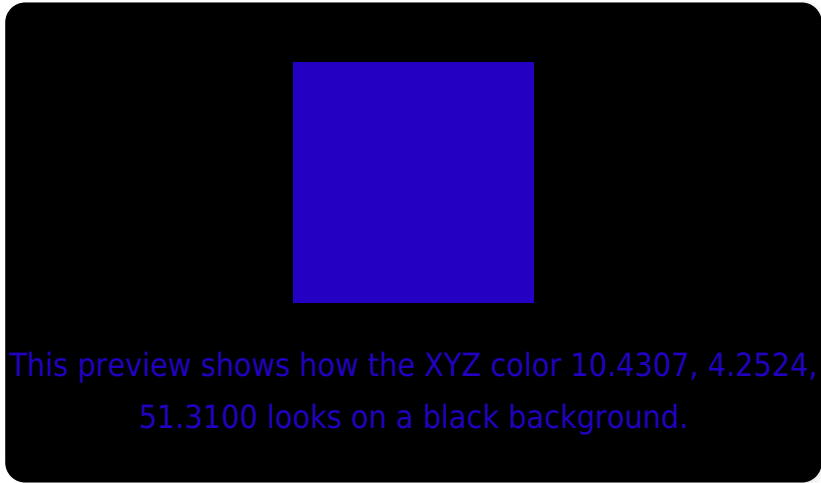
Large Text (above 18pt) WCAG AA ✓ Pass

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

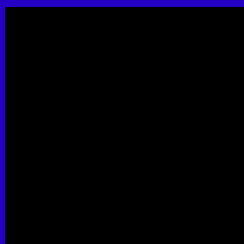
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

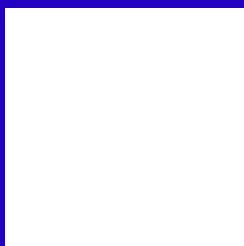
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.4307, 4.2524, 51.3100

Background



This preview shows how black text looks on a background with the XYZ color 10.4307, 4.2524, 51.3100.



This preview shows how white text looks on a background with the XYZ color 10.4307, 4.2524,

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

10.4307, 4.2524, 51.3100

Protanopia

5.0882, 4.4562, 19.3308

Deuteranopia

4.2213, 4.4447, 13.7321



Tritanopia

3.1126, 4.4565, 6.4905

Trichromacy



Original Color

10.4307, 4.2524, 51.3100

Protanomaly

6.2524, 3.5786, 28.7950

Deuteranomaly

5.4069, 3.3427, 24.0272

Tritanomaly

4.1244, 3.0511, 16.5912

Monochromacy



Original Color

10.4307, 4.2524, 51.3100

Achromatopsia

1.4456, 1.5209, 1.6562

Achromatomaly

2.8596, 1.6491, 10.2928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4307, 4.2524, 51.3100 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(35, 0, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 0, 194) }
```

Border

The CSS property to change the border of an element to XYZ 10.4307, 4.2524, 51.3100 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, 194) }
```


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

```
.border{ border-color:rgb(35, 0, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 0, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 0, 194);  
box-shadow:4px 4px 4px 4px rgb(35, 0, 194)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.4307, 4.2524, 51.3100 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, 194) }
```

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

```
.background{ background-color: rgb(35, 0,  
194) }
```

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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