

Converting Colors

XYZ(10.5687, 4.3589, 49.7189)

Have a look what the booklet for
XYZ(10.5687, 4.3589, 49.7189)
contains.

XYZ(10.5307, 4.3424, 49.5734)	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(10.5307, 4.3424,
49.5734)**

Conversions

Conversions Part 1

Format	Color
Hex	2E00BF
RGB	46, 0, 191
RGB Percent	18%, 0%, 75%
CMY	0.8196, 1.0000, 0.2510
CMYK	0.76, 1.00, 0.00, 0.25
HSL	254°, 100%, 37%
HSV	254°, 100%, 75%
XYZ	10.5307, 4.3424, 49.5734
YIQ	35.5280, -33.8950, 69.1530

Conversions

Conversions Part 2

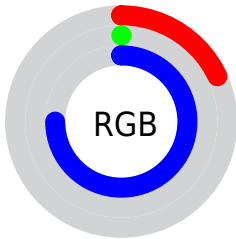
Format	Color
RYB	46, 0, 191
Decimal	3014847
CIELab	24.77, 64.40, -83.56
CIELCh	25, 105.501, 307.622
Yxy	4.3424, 0.1634, 0.0674
Android (android.graphics.Color)	4281204927 (0xFF2E00BF)
YUV	35.5280, 76.6477, 9.1839
Hunter-Lab	20.8384, 53.7377, -126.4606

Details

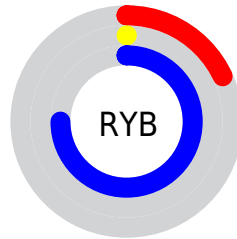
The XYZ color **10.5307, 4.3424, 49.5734** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **30.3060, 43.2805, 6.7567**, and the grayscale version is **1.5830, 1.6654, 1.8137**.

A 20% lighter version of the original color is **26.4035, 14.3579, 91.0023**, and **4.4439, 1.7776, 23.4014** is the 20% darker color. If you saturate the color by 10%, you get **10.5312, 4.3427, 49.5736**, and if you desaturate by 10%, it is **11.5330, 5.2074, 49.6877**.

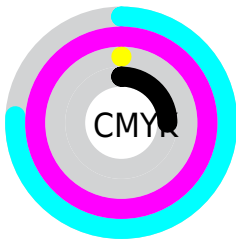
Distribution



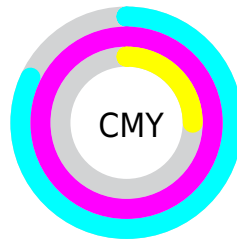
- Red (18%)
- Green (0%)
- Blue (75%)



- Red (18%)
- Yellow (0%)
- Blue (75%)



- Cyan (76%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5307, 4.3424, 49.5734 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 10.5307, 4.3424, 49.5734 by changing the saturation by 10% instead.

■ 10.5307, 4.3424,
49.5734

■ 10.5307, 4.3424,
49.5734

188.3945,
143.2768, 401.6825

■ 5.8172, 1.8669,
34.7057

■ 26.4297, 14.3797,
90.9323

■ 2.7738, 0.5284,
23.1546

■ 38.3460, 22.7102,
118.2606

■ 1.0353, 0.0000,
14.5013

■ 53.3938, 33.7612,
150.5795

■ 0.0000, 0.0000,
8.3274

■ 71.9386, 47.9170,
188.3076

■ 0.0000, 0.0000,
4.2144

■ 94.3457, 65.5621,
231.8634


■ 0.0000, 0.0000,
1.7437


■ 120.9805, 87.0808,

■ 0.0000, 0.0000,

281.6655


0.3904

 152.2083,
112.8576, 338.1323


 0.0000, 0.0000,
0.0000

 10.5307, 4.3424,
49.5734


 10.5307, 4.3424,
49.5734


 10.5312, 4.3427,
49.5736

 11.5330, 5.2074,
49.6877

 13.0059, 6.6569,
49.8899

 15.0508, 8.8667,
50.2086

 17.7259, 11.9293,
50.6588

 21.0815, 15.9235,
51.2529

■ 25.1629, 20.9190,
52.0020

■ 30.0109, 26.9788,
52.9161

■ 35.6634, 34.1604,
54.0044

■ 42.1557, 42.5174,
55.2753

Harmonies

Analogous

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



5.1938, 4.3424, 72.7760



10.5307, 4.3424, 49.5734



15.5219, 4.3424, 18.3454

Triad

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



10.5307, 4.3424, 49.5734



7.6532, 4.3424, 0.0000



0.0539, 4.3424, 8.1509

Complementary

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



10.5307, 4.3424, 49.5734



30.3060, 43.2805, 6.7567

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.



0.2251, 4.3424, 0.1779



10.5307, 4.3424, 49.5734



3.2179, 4.3424, 0.0000

Square

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



10.5307, 4.3424, 49.5734



13.2577, 4.3424, 0.0000



1.0495, 4.3424, 0.0000



0.5667, 4.3424, 33.2641

Rectangle

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



10.5307, 4.3424, 49.5734



16.8990, 4.3424, 5.6676



1.0495, 4.3424, 0.0000



0.0334, 4.3424, 3.8987

Sweetspot

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



10.5312, 4.3427, 49.5736



53.3051, 47.7589, 94.6880



19.7499, 24.4533, 52.9695



10.8599, 9.4262, 20.6324



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.



10.5312, 4.3427, 49.5736



18.6811, 7.6848, 88.7778



20.2305, 9.3429, 50.0275



9.2260, 9.3334, 11.9875



6.9827, 2.8858, 32.5819



0.3344, 0.1444, 1.2791

Inverse Universe

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



26.5959, 13.1204, 27.9143



47.5330, 23.4585, 49.4663



19.9928, 37.9639, 6.2740



9.8290, 9.6559, 11.4886



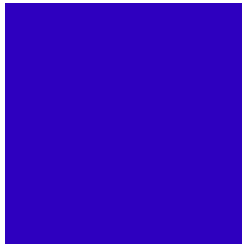
17.5113, 8.6357, 18.5177



0.7101, 0.3479, 0.8524

Previews

White Background



This preview shows how the XYZ color 10.5307, 4.3424, 49.5734 looks on a white background.

Color Contrast Check

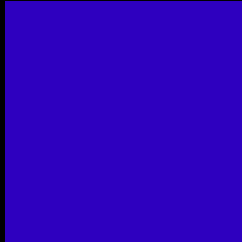
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5307, 4.3424, 49.5734 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 10.5307, 4.3424, 49.5734

Background



This preview shows how black text looks on a background with the XYZ color 10.5307, 4.3424, 49.5734.



This preview shows how white text looks on a background with the XYZ color 10.5307, 4.3424,

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

10.5307, 4.3424, 49.5734

Protanopia

5.2021, 4.5832, 19.6792

Deuteranopia

4.3273, 4.5749, 14.0196



Tritanopia

3.2368, 4.6021, 6.8486

Trichromacy



Original Color

10.5307, 4.3424, 49.5734

Protanomaly

6.2696, 3.6435, 28.3898

Deuteranomaly

5.4339, 3.4143, 23.6652

Tritanomaly

4.1896, 3.0847, 16.5943

Monochromacy



Original Color

10.5307, 4.3424, 49.5734

Achromatopsia

1.6769, 1.7642, 1.9212

Achromatomaly

3.1132, 1.8366, 10.3156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5307, 4.3424, 49.5734 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(46, 0, 191)` looks like.

```
.text, #text, p{  
  color:rgb(46, 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(46, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 10.5307, 4.3424, 49.5734 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(46, 0, 191) }
```


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

```
.border{ border-color:rgb(46, 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(46, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(46, 0, 191)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.5307, 4.3424, 49.5734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 0, 191) }
```

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

```
.background{ background-color: rgb(46, 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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