

Converting Colors

XYZ(9.6837, 3.9976, 45.3891)

Have a look what the booklet for
XYZ(9.6837, 3.9976, 45.3891)
contains.

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Color

**XYZ(9.7339, 4.0186,
45.6100)**

Conversions

Conversions Part 1

Format	Color
Hex	2D00B8
RGB	45, 0, 184
RGB Percent	18%, 0%, 72%
CMY	0.8235, 1.0000, 0.2784
CMYK	0.76, 1.00, 0.00, 0.28
HSL	255°, 100%, 36%
HSV	255°, 100%, 72%
XYZ	9.7339, 4.0186, 45.6100
YIQ	34.4310, -32.2440, 66.7640

Conversions

Conversions Part 2

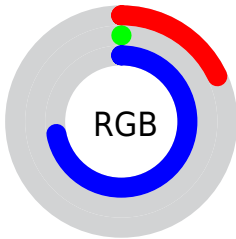
Format	Color
R_{YB}	45, 0, 184
Decimal	2949304
CIE _{Lab}	23.73, 62.67, -81.14
CIE _{LCh}	24, 102.523, 307.680
Yxy	4.0186, 0.1640, 0.0677
Android (android.graphics.Color)	4281139384 (0xFF2D00B8)
YUV	34.4310, 73.7375, 9.2690
Hunter-Lab	20.0464, 51.5925, -120.8651

Details

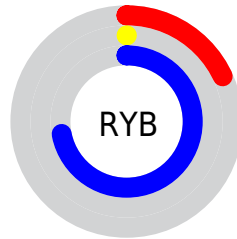
The XYZ color **9.7339, 4.0186, 45.6100** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **27.7864, 39.7692, 6.2117**, and the grayscale version is **1.5010, 1.5792, 1.7197**.

A 20% lighter version of the original color is **25.0070, 13.6788, 85.3267**, and **3.9624, 1.5850, 20.8660** is the 20% darker color. If you saturate the color by 10%, you get **9.7344, 4.0188, 45.6102**, and if you desaturate by 10%, it is **10.6728, 4.8334, 45.7179**.

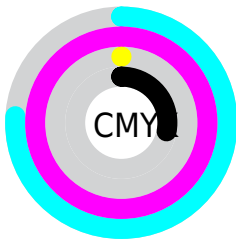
Distribution



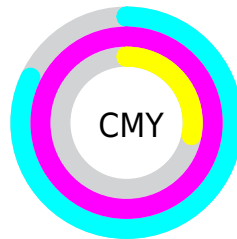
- Red (18%)
- Green (0%)
- Blue (72%)



- Red (18%)
- Yellow (0%)
- Blue (72%)



- Cyan (76%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)



- Cyan (82%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7339, 4.0186, 45.6100 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 9.7339, 4.0186, 45.6100 by changing the saturation by 10% instead.

■ 9.7339, 4.0186,
45.6100

■ 9.7339, 4.0186,
45.6100

182.8558,
139.8865, 385.4704

■ 5.2838, 1.6840,
31.5917

■ 24.9480, 13.6542,
84.9632

■ 2.4512, 0.4132,
20.7876

■ 36.4427, 21.7239,
111.1351

■ 0.8707, 0.0000,
12.7791

■ 51.0164, 32.4741,
142.1954

■ 0.0000, 0.0000,
7.1477

■ 69.0343, 46.2893,
178.5625

■ 0.0000, 0.0000,
3.4748

■ 90.8618, 63.5537,
220.6551


■ 0.0000, 0.0000,
1.3419

■ 116.8644, 84.6517,


■ 0.0000, 0.0000,


268.8915


0.0957

 147.4072,
109.9679, 323.6905


 0.0000, 0.0000,
0.0000

 9.7339, 4.0186,
45.6100


 9.7339, 4.0186,
45.6100


 9.7344, 4.0188,
45.6102

 10.6728, 4.8334,
45.7179

 12.0402, 6.1804,
45.9059

 13.9306, 8.2243,
46.2007

 16.3967, 11.0490,
46.6160

 19.4842, 14.7264,
47.1631

■ 23.2339, 19.3197,
47.8520

■ 27.6831, 24.8862,
48.6920

■ 32.8661, 31.4786,
49.6913

■ 38.8148, 39.1453,
50.8576

Harmonies

Analogous

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



4.8116, 4.0186, 66.9960



9.7339, 4.0186, 45.6100



14.3280, 4.0186, 16.8801

Triad

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



9.7339, 4.0186, 45.6100



7.0618, 4.0186, 0.0000



0.0169, 4.0186, 7.5612

Complementary

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



9.7339, 4.0186, 45.6100



27.7864, 39.7692, 6.2117

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.



0.1820, 4.0186, 0.1386



9.7339, 4.0186, 45.6100



2.9742, 4.0186, 0.0000

Square

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



9.7339, 4.0186, 45.6100



12.2267, 4.0186, 0.0000



0.9738, 4.0186, 0.0000



0.5165, 4.0186, 30.7186

Rectangle

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



9.7339, 4.0186, 45.6100



15.5905, 4.0186, 5.2199



0.9738, 4.0186, 0.0000



0.0000, 4.0186, 3.6276

Sweetspot

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



9.7344, 4.0188, 45.6102



49.7470, 44.5629, 88.1842



18.1865, 22.5302, 48.7378



9.9689, 8.6575, 18.8673



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



9.7344, 4.0188, 45.6102



17.4657, 7.1921, 82.6723



18.6327, 8.6061, 46.0266



8.7214, 8.8227, 11.3227



6.7639, 2.7981, 31.4367



0.2961, 0.1284, 1.1109

Inverse Universe

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



24.4267, 12.0542, 25.4618



44.1806, 21.8117, 45.6327



18.4104, 34.9357, 5.7729



9.2845, 9.1242, 10.8455



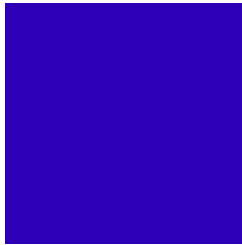
16.8637, 8.3193, 17.7011



0.6174, 0.3024, 0.7445

Previews

White Background



This preview shows how the XYZ color 9.7339, 4.0186, 45.6100 looks on a white background.

Color Contrast Check

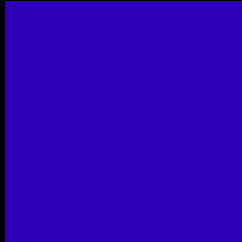
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.7339, 4.0186, 45.6100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

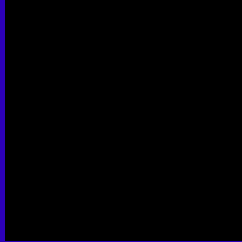
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.7339, 4.0186, 45.6100

Background



This preview shows how black text looks on a background with the XYZ color 9.7339, 4.0186, 45.6100.



This preview shows how white text looks on a background with the XYZ color 9.7339, 4.0186,

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

9.7339, 4.0186, 45.6100

Protanopia

4.8533, 4.2823, 18.3401

Deuteranopia

4.0177, 4.2771, 12.9257



Tritanopia

3.0224, 4.3261, 6.3059

Trichromacy



Original Color

9.7339, 4.0186, 45.6100

Protanomaly

5.8025, 3.3551, 26.3284

Deuteranomaly

5.0359, 3.1999, 21.8249

Tritanomaly

3.9109, 2.9138, 15.3952

Monochromacy



Original Color

9.7339, 4.0186, 45.6100

Achromatopsia

1.5204, 1.5996, 1.7420

Achromatomaly

2.8894, 1.7072, 9.6284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7339, 4.0186, 45.6100 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(45, 0, 184)` looks like.

```
.text, #text, p{  
    color:rgb(45, 0, 184)  
}
```

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(45, 0, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 0, 184) }
```

Border

The CSS property to change the border of an element to XYZ 9.7339, 4.0186, 45.6100 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(45, 0, 184) }
```


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

```
.border{ border-color:rgb(45, 0, 184) }
```

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

Here you see how a box with a 4 pixel rgb(45, 0, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(45, 0, 184)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.7339, 4.0186, 45.6100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 0, 184) }
```

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

```
.background{ background-color: rgb(45, 0,  
184) }
```

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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