

Converting Colors

XYZ(8.0929, 3.3690, 24.9644)

Have a look what the booklet for
XYZ(8.0929, 3.3690, 24.9644)
contains.

XYZ(8.3009, 3.7324, 25.0939)	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(8.3009, 3.7324,
25.0939)**

Conversions

Conversions Part 1

Format	Color
Hex	53008C
RGB	83, 0, 140
RGB Percent	33%, 0%, 55%
CMY	0.6745, 1.0000, 0.4510
CMYK	0.41, 1.00, 0.00, 0.45
HSL	276°, 100%, 27%
HSV	276°, 100%, 55%
XYZ	8.3009, 3.7324, 25.0939
YIQ	40.7770, 4.5280, 61.1360

Conversions

Conversions Part 2

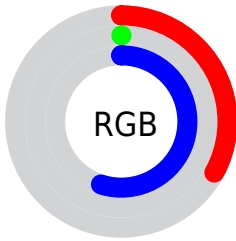
Format	Color
R _Y B	83, 0, 140
Decimal	5439628
CIE Lab	22.77, 54.74, -55.78
CIE LCh	23, 78.155, 314.459
Yxy	3.7324, 0.2236, 0.1005
Android (android.graphics.Color)	4283629708 (0xFF53008C)
YUV	40.7770, 48.9169, 37.0296
Hunter-Lab	19.3194, 42.8864, -63.4879

Details

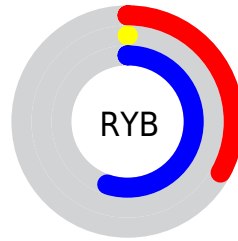
The XYZ color **8.3009, 3.7324, 25.0939** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **11.0653, 19.6261, 3.2050**, and the grayscale version is **2.0439, 2.1504, 2.3418**.

A 20% lighter version of the original color is **22.2753, 12.9841, 52.9619**, and **2.2292, 0.9409, 9.5153** is the 20% darker color. If you saturate the color by 10%, you get **8.3012, 3.7326, 25.0940**, and if you desaturate by 10%, it is **8.9820, 4.3167, 25.1709**.

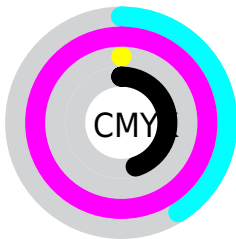
Distribution



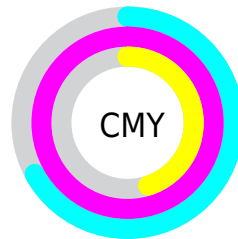
- Red (33%)
- Green (0%)
- Blue (55%)



- Red (33%)
- Yellow (0%)
- Blue (55%)



- Cyan (41%)
- Magenta (100%)
- Yellow (0%)
- Black (45%)



- Cyan (67%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.3009, 3.7324, 25.0939 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 8.3009, 3.7324, 25.0939 by changing the saturation by 10% instead.

8.3009, 3.7324,
25.0939

8.3009, 3.7324,
25.0939

172.3933,
136.7831, 291.7679

4.3415, 1.5250,
15.9274

22.2261, 13.0020,
52.7755

1.8971, 0.3062,
9.3190

32.9225, 20.8330,
72.1277

0.5751, 0.0000,
4.8502

46.5954, 31.3074,
95.7122

0.0000, 0.0000,
2.1024

63.6101, 44.8095,
123.9475


0.0000, 0.0000,
0.6172


84.3318, 61.7237,
157.2522


0.0000, 0.0000,
0.0000

109.1260, 82.4345,


196.0448


 138.3581,
107.3261, 240.7438

 8.3009, 3.7324,
25.0939

 8.3009, 3.7324,
25.0939

 8.3012, 3.7326,
25.0940

 8.9820, 4.3167,
25.1709

 9.8064, 5.1250,
25.2834

 10.8284, 6.2645,
25.4495

 12.0682, 7.7739,
25.6755

 13.5427, 9.6859,
25.9669

■ 15.2672, 12.0300,
26.3284

■ 17.2556, 14.8325,
26.7646

■ 19.5206, 18.1178,
27.2793

■ 22.0740, 21.9083,
27.8764

Harmonies

Analogous

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



4.9413, 3.7324, 39.3984



8.3009, 3.7324, 25.0939



10.8291, 3.7324, 9.2050

Triad

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



8.3009, 3.7324, 25.0939



5.0553, 3.7324, 0.0000



0.5481, 3.7324, 8.7641

Complementary

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



8.3009, 3.7324, 25.0939



11.0653, 19.6261, 3.2050

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.



0.5574, 3.7324, 1.3161



8.3009, 3.7324, 25.0939



2.4441, 3.7324, 0.0000

Square

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



8.3009, 3.7324, 25.0939



8.4185, 3.7324, 0.0000



1.0785, 3.7324, 0.0000



1.0487, 3.7324, 24.4591

Rectangle

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



8.3009, 3.7324, 25.0939



11.1842, 3.7324, 3.0532



1.0785, 3.7324, 0.0000



0.4934, 3.7324, 5.2762

Sweetspot

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



8.3012, 3.7326, 25.0940



30.1864, 25.8131, 47.1344



6.2636, 4.9533, 25.4370



6.6445, 5.5060, 10.7920



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



8.3012, 3.7326, 25.0940



14.4500, 6.4852, 44.2331



14.7336, 7.1428, 21.1396



5.0402, 5.0291, 6.3109



7.3986, 3.3282, 22.2981



0.0658, 0.0307, 0.1489

Inverse Universe

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



11.5537, 5.8709, 4.3948



20.2941, 10.3203, 7.3498



9.4425, 18.7820, 3.4649



5.1118, 5.0801, 5.6770



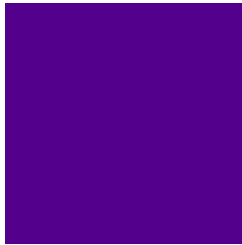
10.2753, 5.2202, 3.9542



0.0752, 0.0375, 0.0629

Previews

White Background



This preview shows how the XYZ color 8.3009, 3.7324, 25.0939 looks on a white background.

Color Contrast Check

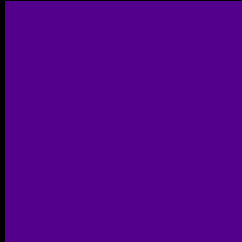
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.3009, 3.7324, 25.0939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

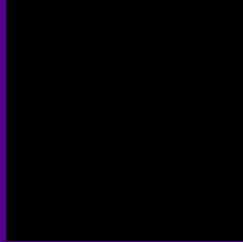
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.3009, 3.7324, 25.0939

Background



This preview shows how black text looks on a background with the XYZ color 8.3009, 3.7324, 25.0939.



This preview shows how white text looks on a background with the XYZ color 8.3009, 3.7324,

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

8.3009, 3.7324, 25.0939

Protanopia

4.6251, 4.1127, 17.3797

Deuteranopia

3.9129, 4.0675, 12.8908



Tritanopia

4.4024, 4.2064, 4.7176

Trichromacy



Original Color

8.3009, 3.7324, 25.0939

Protanomaly

4.8680, 3.0184, 19.7281

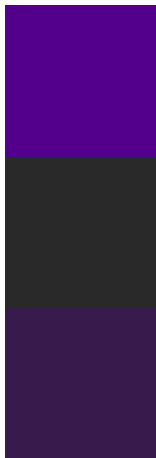
Deuteranomaly

4.3230, 2.9001, 16.5516

Tritanomaly

5.0350, 3.2844, 9.6011

Monochromacy



Original Color

8.3009, 3.7324, 25.0939

Achromatopsia

2.1076, 2.2174, 2.4147

Achromatomaly

3.3398, 2.1154, 7.2535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.3009, 3.7324, 25.0939 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(83, 0, 140)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 140)  
}
```

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(83, 0, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 140) }
```

Border

The CSS property to change the border of an element to XYZ 8.3009, 3.7324, 25.0939 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(83, 0, 140) }
```


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

```
.border{ border-color:rgb(83, 0, 140) }
```

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

Here you see how a box with a 4 pixel rgb(83, 0, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(83, 0, 140)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.3009, 3.7324, 25.0939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 140) }
```

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

```
.background{ background-color: rgb(83, 0,  
140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor