

Converting Colors

XYZ(25.8330, 16.3364, 43.8761)

Have a look what the booklet for
XYZ(25.8330, 16.3364, 43.8761)
contains.

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Color

**XYZ(25.7940, 16.3086,
43.9079)**

Conversions

Conversions Part 1

Format	Color
Hex	A34DB2
RGB	163, 77, 178
RGB Percent	64%, 30%, 70%
CMY	0.3608, 0.6980, 0.3020
CMYK	0.08, 0.57, 0.00, 0.30
HSL	291°, 40%, 50%
HSV	291°, 57%, 70%
XYZ	25.7940, 16.3086, 43.9079
YIQ	114.2280, 18.8350, 49.6430

Conversions

Conversions Part 2

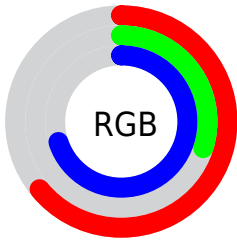
Format	Color
R_{YB}	163, 77, 178
Decimal	10702258
CIE _{Lab}	47.38, 50.54, -38.49
CIE _{LCh}	47, 63.527, 322.708
Yxy	16.3086, 0.2999, 0.1896
Android (android.graphics.Color)	4288892338 (0xFFA34DB2)
YUV	114.2280, 31.4396, 42.7730
Hunter-Lab	40.3839, 43.3396, -36.1950

Details

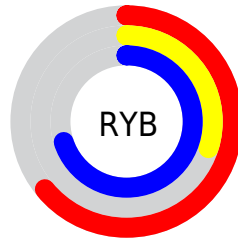
The XYZ color **25.7940, 16.3086, 43.9079** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.6741, 34.6523, 12.5681**, and the grayscale version is **15.9678, 16.7994, 18.2945**.

A 20% lighter version of the original color is **52.3491, 37.1214, 82.2480**, and **10.1542, 5.2051, 19.8715** is the 20% darker color. If you saturate the color by 10%, you get **24.1793, 13.8738, 43.5233**, and if you desaturate by 10%, it is **27.7620, 19.4321, 44.4073**.

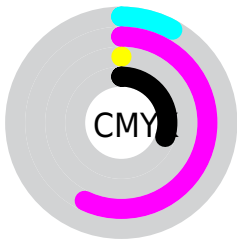
Distribution



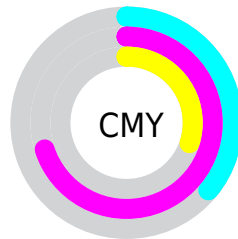
- Red (64%)
- Green (30%)
- Blue (70%)



- Red (64%)
- Yellow (30%)
- Blue (70%)



- Cyan (8%)
- Magenta (57%)
- Yellow (0%)
- Black (30%)



- Cyan (36%)
- Magenta (70%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7940, 16.3086, 43.9079 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 25.7940, 16.3086, 43.9079 by changing the saturation by 10% instead.

■ 25.7940, 16.3086,
43.9079

■ 25.7940, 16.3086,
43.9079

274.0447,
231.1559, 378.3627

■ 16.8015, 9.7428,
30.2614

■ 52.3761, 37.1331,
82.3801

■ 10.1875, 5.2288,
19.7834

■ 70.6964, 52.1606,
108.0430

■ 5.5866, 2.3821,
12.0552

■ 92.8566, 70.7775,
138.5484

■ 2.6337, 0.8167,
6.6583

■ 119.2222, 93.3681,
174.3149

■ 0.9631, 0.0000,
3.1741

■ 150.1584,
120.3168, 215.7611

■ 0.0000, 0.0000,
1.1842

186.0307,

■ 0.0000, 0.0000,

152.0081, 263.3054

0.0000

227.2043,
188.8263, 317.3664

■ 25.7940, 16.3086,
43.9079

■ 25.7940, 16.3086,
43.9079

■ 24.1793, 13.8738,
43.5233

■ 27.7620, 19.4321,
44.4073

■ 22.8873, 12.0685,
43.2429

■ 30.1069, 23.2929,
45.0289

■ 21.8856, 10.8270,
43.0561

■ 32.8521, 27.9375,
45.7808

■ 21.1280, 10.0571,
42.9474

■ 36.0189, 33.4081,
46.6698

■ 20.9037, 9.8479,
42.9189

■ 39.6269, 39.7438,
47.7025

■ 43.6943, 46.9812,
48.8851

■ 48.2385, 55.1548,
50.2233

■ 53.2759, 64.2972,
51.7224

■ 58.8221, 74.4396,
53.3878

Harmonies

Analogous

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



20.0615, 16.3086, 64.3896



25.7940, 16.3086, 43.9079



28.8922, 16.3086, 21.9856

Triad

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



25.7940, 16.3086, 43.9079



16.9144, 16.3086, 1.3471



7.5119, 16.3086, 32.5972

Complementary

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



25.7940, 16.3086, 43.9079



21.6741, 34.6523, 12.5681

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.



7.0582, 16.3086, 14.1091



25.7940, 16.3086, 43.9079



11.6897, 16.3086, 1.7703

Square

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



25.7940, 16.3086, 43.9079



23.0195, 16.3086, 2.7572



8.3910, 16.3086, 4.8262



9.8285, 16.3086, 55.5497

Rectangle

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



25.7940, 16.3086, 43.9079



28.6243, 16.3086, 11.7784



8.3910, 16.3086, 4.8262



7.1637, 16.3086, 25.4788

Sweetspot

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



25.7946, 16.3093, 43.9082



64.9787, 59.9927, 84.5362



14.9372, 12.4731, 43.7400



14.1326, 12.8335, 18.6545



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



25.7946, 16.3093, 43.9082



43.2245, 24.2602, 78.7857



25.9459, 16.7459, 27.7132



8.7236, 8.5815, 10.7029



14.9984, 7.0677, 30.7107



0.5055, 0.2397, 0.9679

Inverse Universe

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



22.9462, 15.5460, 11.9171



37.9508, 22.9720, 13.9125



21.9257, 34.5967, 20.9546



8.5461, 8.5252, 9.1082



13.2888, 6.8331, 1.4146



0.4341, 0.2214, 0.1286

Previews

White Background



This preview shows how the XYZ color 25.7940, 16.3086, 43.9079 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 × Fail

Black Background



This preview shows how the XYZ color 25.7940, 16.3086, 43.9079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

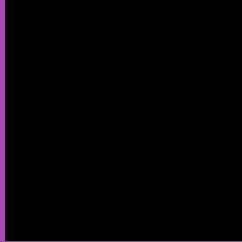
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.7940, 16.3086, 43.9079

Background



This preview shows how black text looks on a background with the XYZ color 25.7940, 16.3086, 43.9079.



This preview shows how white text looks on a background with the XYZ color 25.7940, 16.3086,

43.9079.

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

25.7940, 16.3086, 43.9079

Protanopia

18.9477, 16.7301, 61.9051

Deuteranopia

16.8967, 16.4517, 41.3147



Tritanopia

19.9103, 16.3212, 15.1976

Trichromacy



Original Color

25.7940, 16.3086, 43.9079

Protanomaly

19.5913, 15.4192, 54.7670

Deuteranomaly

18.9119, 15.4904, 42.0376

Tritanomaly

21.6575, 16.1191, 23.4426

Monochromacy



Original Color

25.7940, 16.3086, 43.9079

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

18.6848, 16.0190, 25.7741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7940, 16.3086, 43.9079 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(163, 77, 178)` looks like.

```
.text, #text, p{  
    color:rgb(163, 77, 178)  
}
```

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(163, 77, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 77, 178) }
```

Border

The CSS property to change the border of an element to XYZ 25.7940, 16.3086, 43.9079 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(163, 77, 178) }
```


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

```
.border{ border-color:rgb(163, 77, 178) }
```

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

Here you see how a box with a 4 pixel rgb(163, 77, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 77, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 77, 178);  
box-shadow:4px 4px 4px 4px rgb(163, 77,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7940, 16.3086, 43.9079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 77, 178) }
```

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

```
.background{ background-color: rgb(163, 77,  
178) }
```

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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