

Converting Colors

XYZ(25.7530, 17.2603, 40.0045)

Have a look what the booklet for
XYZ(25.7530, 17.2603, 40.0045)
contains.

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Color

**XYZ(25.8140, 17.2918,
40.0073)**

Conversions

Conversions Part 1

Format	Color
Hex	A455AA
RGB	164, 85, 170
RGB Percent	64%, 33%, 67%
CMY	0.3569, 0.6667, 0.3333
CMYK	0.04, 0.50, 0.00, 0.33
HSL	296°, 33%, 50%
HSV	296°, 50%, 67%
XYZ	25.8140, 17.2918, 40.0073
YIQ	118.3110, 19.7990, 43.1830

Conversions

Conversions Part 2

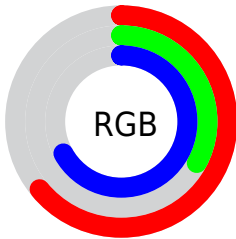
Format	Color
RYB	164, 85, 170
Decimal	10769834
CIELab	48.63, 45.24, -31.82
CIElCh	49, 55.313, 324.875
Yxy	17.2918, 0.3106, 0.2081
Android (android.graphics.Color)	4288959914 (0xFFA455AA)
YUV	118.3110, 25.4827, 40.0693
Hunter-Lab	41.5834, 38.0376, -27.9344

Details

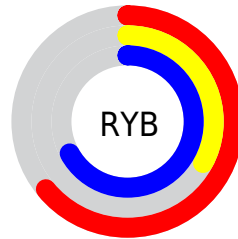
The XYZ color **25.8140, 17.2918, 40.0073** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.3294, 31.6299, 13.6289**, and the grayscale version is **17.2362, 18.1338, 19.7477**.

A 20% lighter version of the original color is **52.6347, 39.0401, 76.7128**, and **10.1851, 5.6871, 17.3905** is the 20% darker color. If you saturate the color by 10%, you get **24.3867, 14.8026, 39.6023**, and if you desaturate by 10%, it is **27.5664, 20.4268, 40.5203**.

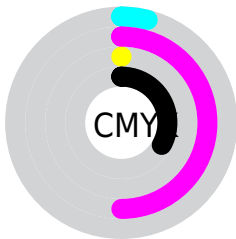
Distribution



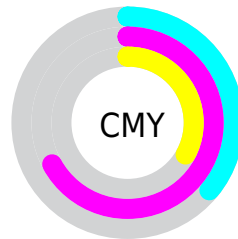
- Red (64%)
- Green (33%)
- Blue (67%)



- Red (64%)
- Yellow (33%)
- Blue (67%)



- Cyan (4%)
- Magenta (50%)
- Yellow (0%)
- Black (33%)





- Cyan (36%)
- Magenta (67%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8140, 17.2918, 40.0073 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 25.8140, 17.2918, 40.0073 by changing the saturation by 10% instead.


 25.8140, 17.2918,
40.0073


 25.8140, 17.2918,
40.0073


274.1413,
236.8484, 361.7073


 16.8165, 10.4428,
27.2304


 52.4082, 38.8268,
76.4118

 10.1982, 5.6935,
17.5124


 70.7356, 54.2816,
100.8766


 5.5939, 2.6596,
10.4347


 92.9036, 73.3737,
130.0743

 2.6380, 0.9567,
5.5787

 119.2777, 96.4875,
164.4236

 0.9654, 0.0000,
2.5261

 150.2231,
124.0075, 204.3431

 0.0000, 0.0000,
0.8539

186.1053,

 0.0000, 0.0000,

156.3181, 250.2511

0.0000

227.2896,
193.8036, 302.5664

■ 25.8140, 17.2918,
40.0073

■ 25.8140, 17.2918,
40.0073

■ 24.3867, 14.8026,
39.6023

■ 27.5664, 20.4268,
40.5203

■ 23.2591, 12.9100,
39.2964

■ 29.6631, 24.2473,
41.1472

■ 22.4054, 11.5616,
39.0812

■ 32.1241, 28.7929,
41.8949

■ 21.7943, 10.6948,
38.9461

■ 34.9672, 34.0992,
42.7693

■ 21.3566, 10.1716,
38.8681

■ 38.2090, 40.1995,
43.7759

■ 21.3565, 10.1715,
38.8681

■ 41.8653, 47.1253,
44.9200

■ 45.9510, 54.9062,
46.2065

■ 50.4801, 63.5704,
47.6402

■ 55.4661, 73.1449,
49.2255

Harmonies

Analogous

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



20.9072, 17.2918, 57.4425



25.8140, 17.2918, 40.0073



28.2425, 17.2918, 21.4453

Triad

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



25.8140, 17.2918, 40.0073



17.3255, 17.2918, 2.4329



9.0571, 17.2918, 33.2567

Complementary

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



25.8140, 17.2918, 40.0073



20.3294, 31.6299, 13.6289

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.



8.4853, 17.2918, 16.4325



25.8140, 17.2918, 40.0073



12.6514, 17.2918, 3.1262

Square

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



25.8140, 17.2918, 40.0073



22.7366, 17.2918, 3.9456



9.6577, 17.2918, 6.8641



11.4213, 17.2918, 52.3331

Rectangle

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



25.8140, 17.2918, 40.0073



27.8300, 17.2918, 12.5081



9.6577, 17.2918, 6.8641



8.6726, 17.2918, 26.9822

Sweetspot

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



25.8146, 17.2926, 40.0077



60.6349, 56.6153, 76.7339



14.8371, 12.5032, 39.6618



13.2905, 12.1942, 17.0409



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



25.8146, 17.2926, 40.0077



43.9981, 26.4321, 71.7848



24.1705, 16.7814, 24.7341



7.7889, 7.6393, 9.4824



15.7296, 7.4923, 28.5926



0.3976, 0.1900, 0.6964

Inverse Universe

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



21.7150, 15.7991, 11.8034



35.8401, 23.4919, 14.2343



21.5372, 32.0474, 22.9536



7.5518, 7.5506, 7.9570



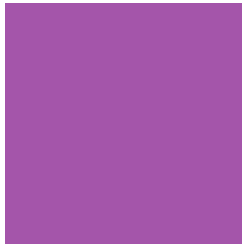
12.2519, 6.3095, 0.8720



0.3046, 0.1561, 0.0554

Previews

White Background



This preview shows how the XYZ color 25.8140, 17.2918, 40.0073 looks on a white background.

Color Contrast Check

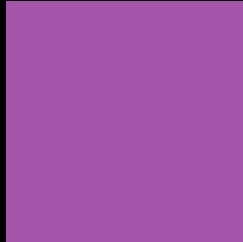
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8140, 17.2918, 40.0073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

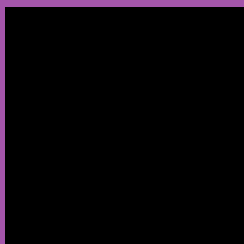
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.8140, 17.2918, 40.0073

Background



This preview shows how black text looks on a background with the XYZ color 25.8140, 17.2918, 40.0073.



This preview shows how white text looks on a background with the XYZ color 25.8140, 17.2918,

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

25.8140, 17.2918, 40.0073

Protanopia

19.2351, 17.5442, 54.0023

Deuteranopia

17.9593, 17.5748, 38.0430



Tritanopia

20.9742, 17.2650, 16.4144

Trichromacy



Original Color

25.8140, 17.2918, 40.0073

Protanomaly

20.3953, 16.6904, 48.6010

Deuteranomaly

19.9514, 16.8282, 38.7558

Tritanomaly

22.4870, 17.1940, 23.6063

Monochromacy



Original Color

25.8140, 17.2918, 40.0073

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

19.6611, 17.2651, 25.9632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8140, 17.2918, 40.0073 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(164, 85, 170)` looks like.

```
.text, #text, p{  
    color:rgb(164, 85, 170)  
}
```

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(164, 85, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 85, 170) }
```

Border

The CSS property to change the border of an element to XYZ 25.8140, 17.2918, 40.0073 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(164, 85, 170) }
```


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

```
.border{ border-color:rgb(164, 85, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 85, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 85, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 85, 170);  
box-shadow:4px 4px 4px 4px rgb(164, 85,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8140, 17.2918, 40.0073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 85, 170) }
```

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

```
.background{ background-color: rgb(164, 85,  
170) }
```

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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