

Converting Colors

XYZ(25.8342, 39.7416, 33.0974)

Have a look what the booklet for
XYZ(25.8342, 39.7416, 33.0974)
contains.

XYZ(25.8342, 39.7416, 33.0974)	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(25.8342, 39.7416,
33.0974)**

Conversions

Conversions Part 1

Format	Color
Hex	46BD91
RGB	70, 189, 145
RGB Percent	27%, 74%, 57%
CMY	0.7255, 0.2588, 0.4314
CMYK	0.63, 0.00, 0.23, 0.26
HSL	158°, 47%, 51%
HSV	158°, 63%, 74%
XYZ	25.8342, 39.7416, 33.0974
YIQ	148.4030, -56.8000, -38.9120

Conversions

Conversions Part 2

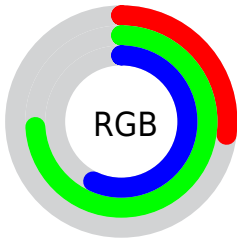
Format	Color
RYB	70, 143, 189
Decimal	4636049
CIELab	69.29, -43.72, 12.57
CIELCh	69, 45.495, 163.963
Yxy	39.7416, 0.2618, 0.4028
Android (android.graphics.Color)	4282826129 (0xFF46BD91)
YUV	148.4030, -1.6777, -68.7594
Hunter-Lab	63.0409, -37.1723, 13.0006

Details

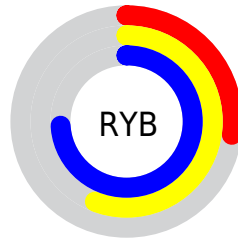
The XYZ color **25.8342, 39.7416, 33.0974** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.2150, 16.4150, 17.7077**, and the grayscale version is **28.3414, 29.8174, 32.4711**.

A 20% lighter version of the original color is **52.4705, 74.7809, 65.7015**, and **10.6844, 18.1361, 13.5272** is the 20% darker color. If you saturate the color by 10%, you get **24.1571, 38.9384, 30.2924**, and if you desaturate by 10%, it is **27.9756, 40.7823, 36.0989**.

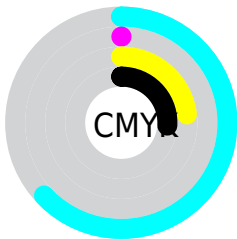
Distribution



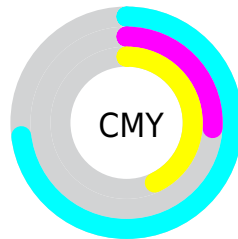
- Red (27%)
- Green (74%)
- Blue (57%)



- Red (27%)
- Yellow (56%)
- Blue (74%)



- Cyan (63%)
- Magenta (0%)
- Yellow (23%)
- Black (26%)





- Cyan (73%)
- Magenta (26%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8342, 39.7416, 33.0974 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 25.8342, 39.7416, 33.0974 by changing the saturation by 10% instead.


 25.8342, 39.7416,
33.0974


 25.8342, 39.7416,
33.0974


274.2389,
345.0333, 330.7339


 16.8317, 27.3371,
21.9293


 52.4406, 74.7699,
65.6453

 10.2091, 17.8266,
13.6072


 70.7751, 98.1625,
87.8623


 5.6012, 10.8256,
7.7123


 92.9510, 125.9866,
114.5993

 2.6424, 5.9497,
3.8263

 119.3337,
158.6265, 146.2749

 0.9676, 2.8145,
1.5306

 150.2885,
196.4668, 183.3076

 0.0000, 1.0357,
0.2405

186.1807,

 0.0000, 0.0000,

239.8917, 226.1159

0.0000

227.3757,
289.2858, 275.1185

■ 25.8342, 39.7416,
33.0974

■ 25.8342, 39.7416,
33.0974

■ 24.1571, 38.9384,
30.2924

■ 27.9756, 40.7823,
36.0989

■ 22.8987, 38.3463,
27.6762

■ 30.6150, 42.0749,
39.2990

■ 22.0091, 37.9406,
25.2440

■ 33.7866, 43.6379,
42.7030

■ 21.5351, 37.7313,
23.6376

■ 37.5207, 45.4868,
46.3152

■ 41.8451, 47.6359,
50.1397

■ 46.7857, 50.0986,
54.1804

■ 52.3670, 52.8873,
58.4412

■ 58.6119, 56.0139,
62.9257

■ 65.5422, 59.4895,
67.6376

Harmonies

Analogous

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



28.8500, 39.7416, 20.3221



25.8342, 39.7416, 33.0974



25.7324, 39.7416, 53.7050

Triad

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



25.8342, 39.7416, 33.0974



41.2593, 39.7416, 95.1247



48.7937, 39.7416, 20.9495

Complementary

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



25.8342, 39.7416, 33.0974



26.2150, 16.4150, 17.7077

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.



53.0832, 39.7416, 34.2858



25.8342, 39.7416, 33.0974



48.3692, 39.7416, 79.0983

Square

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



25.8342, 39.7416, 33.0974



34.0298, 39.7416, 94.4900



52.9186, 39.7416, 55.3431



41.7815, 39.7416, 15.0109

Rectangle

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



25.8342, 39.7416, 33.0974



27.2945, 39.7416, 69.8122



52.9186, 39.7416, 55.3431



50.6398, 39.7416, 24.4884

Sweetspot

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



25.8353, 39.7432, 33.0983



69.9050, 82.8081, 85.4084



26.4559, 40.5258, 12.2228



14.5744, 17.5800, 17.9516



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



25.8353, 39.7432, 33.0983



42.2181, 69.2410, 52.2176



27.0650, 35.6831, 53.6070



9.6548, 10.7481, 11.4319



14.5268, 25.4010, 16.1029



0.5996, 1.0072, 0.7918

Inverse Universe

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



26.2150, 16.4150, 17.7077



43.0041, 24.0256, 22.6363



25.2542, 17.5845, 7.8580



9.6721, 9.5931, 10.6623



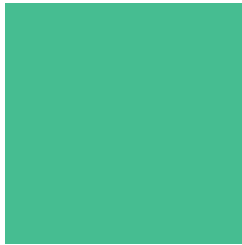
14.8957, 7.5894, 4.7443



0.6153, 0.3100, 0.3537

Previews

White Background



This preview shows how the XYZ color 25.8342, 39.7416, 33.0974 looks on a white 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

Black Background



This preview shows how the XYZ color 25.8342, 39.7416, 33.0974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

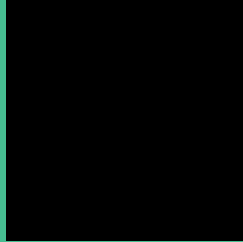
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.8342, 39.7416, 33.0974

Background



This preview shows how black text looks on a background with the XYZ color 25.8342, 39.7416, 33.0974.



This preview shows how white text looks on a background with the XYZ color 25.8342, 39.7416,

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

25.8342, 39.7416, 33.0974

Protanopia

36.7359, 39.2195, 28.5556

Deuteranopia

39.7414, 39.0222, 34.7156



Tritanopia

30.9258, 39.6110, 58.8390

Trichromacy



Original Color

25.8342, 39.7416, 33.0974



Protanomaly

30.8330, 38.4037, 30.2137



Deuteranomaly

32.0314, 37.7860, 34.0390



Tritanomaly

28.8645, 39.7061, 48.2622

Monochromacy



Original Color

25.8342, 39.7416, 33.0974



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

26.1094, 32.2940, 32.4610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8342, 39.7416, 33.0974 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(70, 189, 145)` looks like.

```
.text, #text, p{  
    color:rgb(70, 189, 145)  
}
```

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(70, 189, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 189, 145) }
```

Border

The CSS property to change the border of an element to XYZ 25.8342, 39.7416, 33.0974 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(70, 189, 145) }
```


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

```
.border{ border-color:rgb(70, 189, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 189, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 189, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 189, 145);  
box-shadow:4px 4px 4px 4px rgb(70, 189,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8342, 39.7416, 33.0974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 189, 145) }
```

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

```
.background{ background-color: rgb(70, 189,  
145) }
```

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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