

Converting Colors

XYZ(40.1524, 25.3012, 97.3751)

Have a look what the booklet for
XYZ(40.1524, 25.3012, 97.3751)
contains.

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Color

**XYZ(40.1910, 25.2576,
97.3647)**

Conversions

Conversions Part 1

Format	Color
Hex	AF63FF
RGB	175, 99, 255
RGB Percent	69%, 39%, 100%
CMY	0.3137, 0.6118, 0.0000
CMYK	0.31, 0.61, 0.00, 0.00
HSL	269°, 100%, 69%
HSV	269°, 61%, 100%
XYZ	40.1910, 25.2576, 97.3647
YIQ	139.5080, -4.7800, 64.6280

Conversions

Conversions Part 2

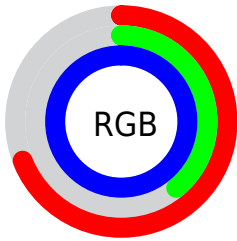
Format	Color
R _Y B	175, 99, 255
Decimal	11494399
CIE Lab	57.33, 59.23, -66.26
CIE LCh	57, 88.875, 311.794
Yxy	25.2576, 0.2469, 0.1551
Android (android.graphics.Color)	4289684479 (0xFFAF63FF)
YUV	139.5080, 56.9376, 31.1265
Hunter-Lab	50.2569, 54.7987, -79.6849

Details

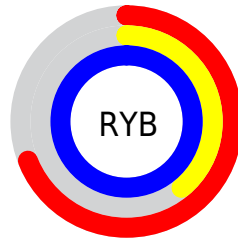
The XYZ color **40.1910, 25.2576, 97.3647** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **56.6024, 82.0045, 24.6501**, and the grayscale version is **24.5258, 25.8031, 28.0995**.

A 20% lighter version of the original color is **63.3729, 47.4949, 100.4351**, and **18.3525, 9.6899, 53.7264** is the 20% darker color. If you saturate the color by 10%, you get **35.3511, 19.7251, 96.5519**, and if you desaturate by 10%, it is **46.0795, 32.4630, 98.4451**.

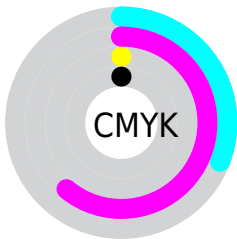
Distribution



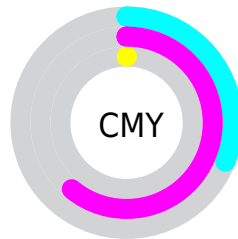
- Red (69%)
- Green (39%)
- Blue (100%)



- Red (69%)
- Yellow (39%)
- Blue (100%)



- Cyan (31%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1910, 25.2576, 97.3647 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 40.1910, 25.2576, 97.3647 by changing the saturation by 10% instead.


 40.1910, 25.2576,
97.3647


 40.1910, 25.2576,
97.3647

338.0486,
279.1184, 572.8845


 27.8724, 16.2691,
73.4970


 74.7368, 52.0748,
159.5511


 18.3694, 9.7148,
53.8881


 97.6946, 70.6723,
198.7068

 11.3168, 5.2102,
38.1197


 124.9296, 93.2416,
243.7956

 6.3492, 2.3711,
25.7730

 156.8070,
120.1670, 295.2360

 3.1012, 0.8110,
16.4297

193.6923,
151.8330, 353.4465

 1.2075, 0.0000,
9.6711

235.9507,

 0.1123, 0.0000,

188.6240, 418.8458

5.0787

283.9477,
230.9243, 491.8523

■ 0.0000, 0.0000,
2.2340

■ 0.0000, 0.0000,
0.6939

■ 40.1910, 25.2576,
97.3647

■ 40.1910, 25.2576,
97.3647

■ 35.3511, 19.7251,
96.5519

■ 46.0795, 32.4630,
98.4451

■ 31.4742, 15.7096,
95.9811

■ 53.0862, 41.4726,
99.8148

■ 28.4632, 13.0285,
95.6223

■ 61.2776, 52.4071,
101.4936

■ 26.3961, 11.5226,
95.4406

■ 70.7135, 65.3756,
103.4995

■ 81.4496, 80.4792,
105.8489

■ 93.5378, 97.8118,
108.5573

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



28.3885, 25.2576, 132.3080



40.1910, 25.2576, 97.3647



48.8410, 25.2576, 49.8932

Triad

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



40.1910, 25.2576, 97.3647



30.9060, 25.2576, 1.0082



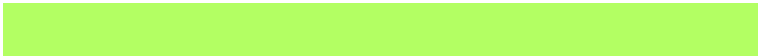
9.1385, 25.2576, 41.1414

Complementary

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



40.1910, 25.2576, 97.3647



56.6024, 82.0045, 24.6501

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.



9.4499, 25.2576, 13.0691



40.1910, 25.2576, 97.3647



20.1005, 25.2576, 0.8277

Square

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



40.1910, 25.2576, 97.3647



42.4916, 25.2576, 4.1288



12.8810, 25.2576, 2.9639



11.8522, 25.2576, 87.0941

Rectangle

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



40.1910, 25.2576, 97.3647



50.4706, 25.2576, 25.7248



12.8810, 25.2576, 2.9639



8.9209, 25.2576, 29.3576

Sweetspot

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



40.1920, 25.2585, 97.3648



73.9794, 69.9360, 104.2076



39.4367, 42.3545, 100.7044



15.1930, 14.0730, 22.1655



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.1920, 25.2585, 97.3648



34.5746, 18.8842, 96.4305



62.8020, 36.9143, 98.4229



17.8455, 17.8121, 22.7475



13.9635, 6.1090, 49.8778



1.4852, 0.6595, 4.8623

Inverse Universe

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



53.8386, 33.4387, 46.2639



50.0877, 28.1893, 38.0695



43.4468, 75.2225, 24.0345



18.3982, 18.1426, 20.7142



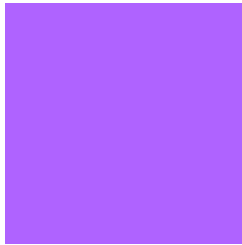
23.7569, 11.9921, 12.6362



2.3683, 1.1897, 1.5211

Previews

White Background



This preview shows how the XYZ color 40.1910, 25.2576, 97.3647 looks on a white background.

Color Contrast Check

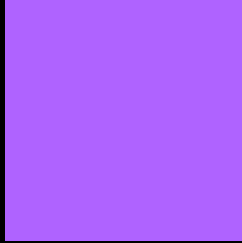
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 40.1910, 25.2576, 97.3647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

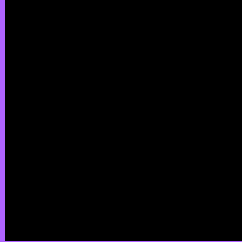
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.1910, 25.2576, 97.3647

Background



This preview shows how black text looks on a background with the XYZ color 40.1910, 25.2576, 97.3647.



This preview shows how white text looks on a background with the XYZ color 40.1910, 25.2576,

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

40.1910, 25.2576, 97.3647

Protanopia

29.3228, 25.6867, 98.0203

Deuteranopia

26.6455, 25.7184, 91.5555



Tritanopia

26.3252, 25.0556, 29.0399

Trichromacy



Original Color

40.1910, 25.2576, 97.3647



Protanomaly

31.3178, 24.2097, 97.6301



Deuteranomaly

27.9823, 23.3187, 93.4686



Tritanomaly

30.0444, 24.2939, 47.9054

Monochromacy



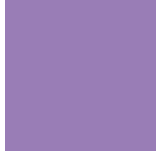
Original Color

40.1910, 25.2576, 97.3647



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

28.9140, 24.8169, 47.5222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1910, 25.2576, 97.3647 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(175, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 99, 255)  
}
```

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(175, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 99, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.1910, 25.2576, 97.3647 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(175, 99, 255) }
```


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

```
.border{ border-color:rgb(175, 99, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 99, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 99,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1910, 25.2576, 97.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 99, 255) }
```

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

```
.background{ background-color: rgb(175, 99,  
255) }
```

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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