

Converting Colors

XYZ(41.1795, 24.9400,
102.2728)

Have a look what the booklet for
XYZ(41.1795, 24.9400, 102.2728)
contains.

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Color

**XYZ(40.1842, 24.5725,
97.2328)**

Conversions

Conversions Part 1

Format	Color
Hex	B15EFF
RGB	177, 94, 255
RGB Percent	69%, 37%, 100%
CMY	0.3059, 0.6314, 0.0000
CMYK	0.31, 0.63, 0.00, 0.00
HSL	271°, 100%, 68%
HSV	271°, 63%, 100%
XYZ	40.1842, 24.5725, 97.2328
YIQ	137.1710, -2.2130, 67.6670

Conversions

Conversions Part 2

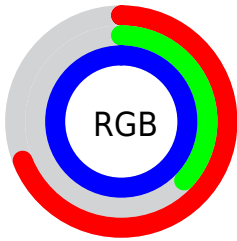
Format	Color
R _Y B	177, 94, 255
Decimal	11624191
CIE Lab	56.66, 62.09, -67.33
CIE LCh	57, 91.589, 312.685
Yxy	24.5725, 0.2481, 0.1517
Android (android.graphics.Color)	4289814271 (0xFFB15EFF)
YUV	137.1710, 58.0897, 34.9300
Hunter-Lab	49.5707, 57.9515, -81.5978

Details

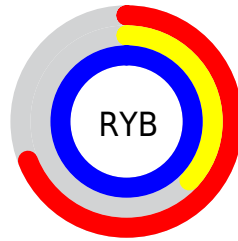
The XYZ color **40.1842, 24.5725, 97.2328** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **54.7934, 81.0987, 23.3559**, and the grayscale version is **23.6314, 24.8620, 27.0747**.

A 20% lighter version of the original color is **63.5650, 46.4043, 100.2144**, and **18.4113, 9.4042, 53.6681** is the 20% darker color. If you saturate the color by 10%, you get **35.5920, 19.3771, 96.4720**, and if you desaturate by 10%, it is **45.7818, 31.3981, 98.2552**.

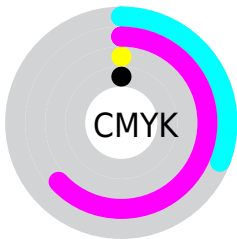
Distribution



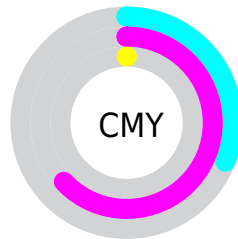
- Red (69%)
- Green (37%)
- Blue (100%)



- Red (69%)
- Yellow (37%)
- Blue (100%)



- Cyan (31%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1842, 24.5725, 97.2328 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 40.1842, 24.5725, 97.2328 by changing the saturation by 10% instead.

 40.1842, 24.5725,
97.2328


 40.1842, 24.5725,
97.2328


338.0205,
275.7022, 572.4545


 27.8670, 15.7588,
73.3876

 74.7265, 50.9628,
159.3677


 18.3654, 9.3537,
53.7992


 97.6823, 69.3083,
198.4946

 11.3139, 4.9726,
38.0491


 124.9151, 91.5998,
243.5523

 6.3472, 2.2312,
25.7187

 156.7902,
118.2218, 294.9596

 3.1000, 0.7369,
16.3894

193.6729,
149.5587, 353.1349

 1.2069, 0.0000,
9.6428

235.9286,

 0.1118, 0.0000,

185.9947, 418.4968

5.0603

283.9227,
227.9145, 491.4639

■ 0.0000, 0.0000,
2.2233

■ 0.0000, 0.0000,
0.6878

■ 40.1842, 24.5725,
97.2328

■ 40.1842, 24.5725,
97.2328

■ 35.5920, 19.3771,
96.4720

■ 45.7818, 31.3981,
98.2552

■ 31.9184, 15.6520,
95.9466

■ 52.4547, 39.9877,
99.5615

■ 29.0639, 13.2071,
95.6251

■ 60.2695, 50.4640,
101.1717

■ 27.4821, 12.0824,
95.4914

■ 69.2858, 62.9373,
103.1041

■ 79.5588, 77.5095,
105.3754

■ 91.1403, 94.2754,
108.0011

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.



28.1502, 24.5725, 134.5550



40.1842, 24.5725, 97.2328



48.8881, 24.5725, 48.2979

Triad

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



40.1842, 24.5725, 97.2328



30.0004, 24.5725, 0.7163



8.5257, 24.5725, 41.8215

Complementary

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



40.1842, 24.5725, 97.2328



54.7934, 81.0987, 23.3559

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.



8.7465, 24.5725, 12.8141



40.1842, 24.5725, 97.2328



19.1386, 24.5725, 0.5824

Square

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



40.1842, 24.5725, 97.2328



41.8886, 24.5725, 3.4318



12.0356, 24.5725, 2.6478



11.2987, 24.5725, 89.5217

Rectangle

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



40.1842, 24.5725, 97.2328



50.3858, 24.5725, 24.0993



12.0356, 24.5725, 2.6478



8.2841, 24.5725, 29.5995

Sweetspot

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



40.1852, 24.5733, 97.2329



73.3797, 68.7048, 104.0016



37.8994, 40.0659, 100.3437



15.0954, 13.8437, 22.1264



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.



40.1852, 24.5733, 97.2329



34.4501, 18.1676, 96.2987



63.2929, 36.4858, 98.3143



17.8962, 17.8382, 22.7498



14.5333, 6.4027, 49.9044



1.5412, 0.6885, 4.8649

Inverse Universe

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



52.6891, 32.2443, 42.4757



48.8432, 26.9884, 33.6838



42.3968, 74.7080, 22.7757



18.3760, 18.1337, 20.5973



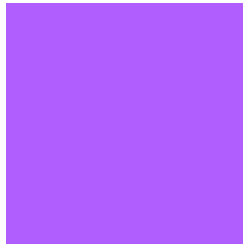
23.5092, 11.8930, 11.3318



2.3439, 1.1799, 1.3925

Previews

White Background



This preview shows how the XYZ color 40.1842, 24.5725, 97.2328 looks on a white background.

Color Contrast Check

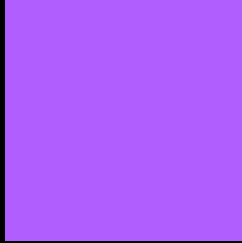
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.1842, 24.5725, 97.2328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

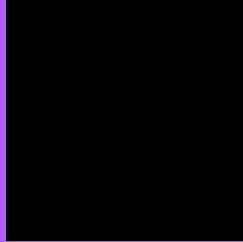
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.1842, 24.5725, 97.2328

Background



This preview shows how black text looks on a background with the XYZ color 40.1842, 24.5725, 97.2328.



This preview shows how white text looks on a background with the XYZ color 40.1842, 24.5725,

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

40.1842, 24.5725, 97.2328

Protanopia

28.6852, 24.9515, 97.9120

Deuteranopia

25.5699, 24.7695, 89.8195



Tritanopia

25.8242, 24.2419, 27.3628

Trichromacy



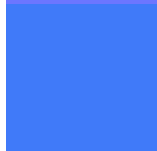
Original Color

40.1842, 24.5725, 97.2328



Protanomaly

30.7128, 23.3650, 97.4989



Deuteranomaly

26.1728, 21.8486, 92.4603



Tritanomaly

29.6901, 23.6135, 46.7091

Monochromacy



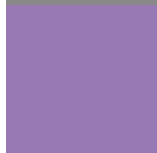
Original Color

40.1842, 24.5725, 97.2328



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

28.0245, 23.6454, 46.2670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1842, 24.5725, 97.2328 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(177, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 94, 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(177, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 94, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.1842, 24.5725, 97.2328 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(177, 94, 255) }
```


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

```
.border{ border-color:rgb(177, 94, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 94,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1842, 24.5725, 97.2328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 94, 255) }
```

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

```
.background{ background-color: rgb(177, 94,  
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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