

Converting Colors

XYZ(55.7900, 43.8174,
139.1664)

Have a look what the booklet for
XYZ(55.7900, 43.8174, 139.1664)
contains.

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Color

**XYZ(48.2384, 40.6811,
99.9175)**

Conversions

Conversions Part 1

Format	Color
Hex	B19DFF
RGB	177, 157, 255
RGB Percent	69%, 62%, 100%
CMY	0.3059, 0.3843, 0.0000
CMYK	0.31, 0.38, 0.00, 0.00
HSL	252°, 100%, 81%
HSV	252°, 38%, 100%
XYZ	48.2384, 40.6811, 99.9175
YIQ	174.1520, -19.5380, 34.7180

Conversions

Conversions Part 2

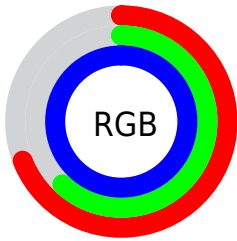
Format	Color
R_{YB}	177, 157, 255
Decimal	11640319
CIE _{Lab}	69.95, 28.35, -46.16
CIE _{LCh}	70, 54.169, 301.555
Yxy	40.6811, 0.2554, 0.2154
Android (android.graphics.Color)	4289830399 (0xFFB19DFF)
YUV	174.1520, 39.8581, 2.4977
Hunter-Lab	63.7817, 23.3823, -48.2337

Details

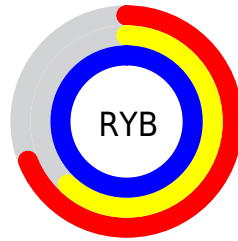
The XYZ color **48.2384, 40.6811, 99.9175** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.1071, 91.6166, 45.5723**, and the grayscale version is **40.1203, 42.2096, 45.9663**.

A 20% lighter version of the original color is **75.8544, 71.9691, 104.5012**, and **23.3731, 18.5229, 55.7695** is the 20% darker color. If you saturate the color by 10%, you get **40.0817, 30.7269, 98.4261**, and if you desaturate by 10%, it is **57.9856, 52.7932, 101.7417**.

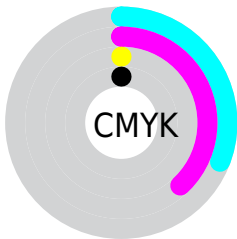
Distribution



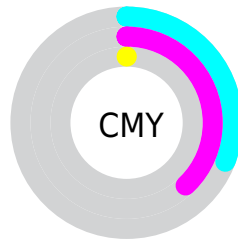
- Red (69%)
- Green (62%)
- Blue (100%)



- Red (69%)
- Yellow (62%)
- Blue (100%)



- Cyan (31%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2384, 40.6811, 99.9175 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 48.2384, 40.6811, 99.9175 by changing the saturation by 10% instead.

■ 48.2384, 40.6811,
99.9175

■ 48.2384, 40.6811,
99.9175

370.3032,
348.9860, 581.1726

■ 34.2278, 28.0700,
75.6151

■ 86.7668, 76.1996,
163.0947

■ 23.2323, 18.3784,
55.6122

■ 112.0153, 99.8757,
202.8066

■ 14.8868, 11.2220,
39.4902

141.7404,
128.0090, 248.4921

■ 8.8258, 6.2164,
26.8305

176.3075,
160.9837, 300.5698

■ 4.6839, 2.9771,
17.2147

216.0820,
199.1844, 359.4581

■ 2.0959, 1.1198,
10.2241

261.4292,

■ 0.6870, 0.0000,

242.9955, 425.5756

5.4402

312.7145,
292.8012, 499.3410

■ 0.0000, 0.0000,
2.4446

■ 0.0000, 0.0000,
0.8106

■ 48.2384, 40.6811,
99.9175

■ 48.2384, 40.6811,
99.9175

■ 40.0817, 30.7269,
98.4261

■ 57.9856, 52.7932,
101.7417

■ 33.4247, 22.7976,
97.2464

■ 69.3991, 67.1765,
103.9164

■ 28.1735, 16.7523,
96.3563

■ 82.5548, 83.9415,
106.4590

■ 24.2213, 12.4298,
95.7303

■ 95.0500, 100.0000,
108.9000

■ 21.4446, 9.6407,
95.3383

■ 19.6815, 8.1256,
95.1388

■ 19.4683, 7.9512,
95.1164

Harmonies

Analogous

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



39.1283, 40.6811, 112.7537



48.2384, 40.6811, 99.9175



55.5785, 40.6811, 71.6929

Triad

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



48.2384, 40.6811, 99.9175



47.3203, 40.6811, 13.8416



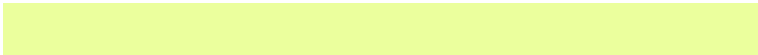
24.0692, 40.6811, 45.6262

Complementary

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



48.2384, 40.6811, 99.9175



76.1071, 91.6166, 45.5723

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.



25.5883, 40.6811, 24.9530



48.2384, 40.6811, 99.9175



38.2077, 40.6811, 11.3203

Square

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



48.2384, 40.6811, 99.9175



54.9943, 40.6811, 23.4277



30.4522, 40.6811, 14.4576



25.9394, 40.6811, 74.8869

Rectangle

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



48.2384, 40.6811, 99.9175



57.9861, 40.6811, 51.8179



30.4522, 40.6811, 14.4576



24.1989, 40.6811, 37.5375

Sweetspot

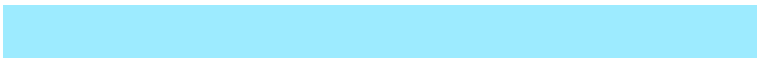
The Sweet Spot groups the original color and five complimentary colors.



48.2398, 40.6826, 99.9178



77.6538, 77.6765, 105.5080



61.7785, 74.0348, 105.6418



16.2495, 16.1520, 22.5112



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.



48.2398, 40.6826, 99.9178



41.9226, 32.9547, 98.7591



61.3466, 47.4394, 100.5311



17.3492, 17.5562, 22.7242



10.2694, 4.2046, 49.7049



1.0844, 0.4530, 4.8435

Inverse Universe

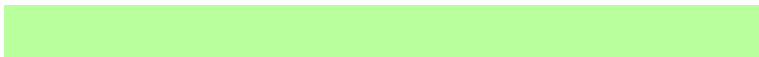
The Inverse Universe completely reimagines the original color for something new.



68.2930, 51.3733, 84.9140



64.7179, 45.1239, 80.9450



62.1937, 84.4440, 44.9212



18.6245, 18.2331, 21.9056



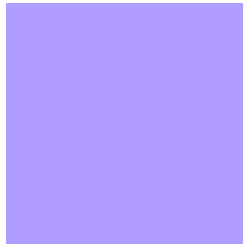
27.2342, 13.3830, 30.9474



2.6899, 1.3184, 3.2146

Previews

White Background



This preview shows how the XYZ color 48.2384, 40.6811, 99.9175 looks on a white background.

Color Contrast Check

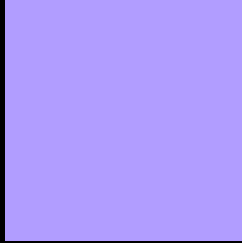
Large Text (above 18pt) WCAG AA × Fail

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 48.2384, 40.6811, 99.9175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

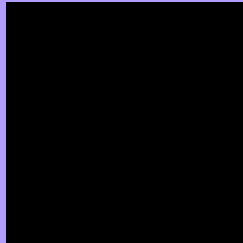
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2384, 40.6811, 99.9175

Background



This preview shows how black text looks on a background with the XYZ color 48.2384, 40.6811, 99.9175.



This preview shows how white text looks on a background with the XYZ color 48.2384, 40.6811,

99.9175.

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

48.2384, 40.6811, 99.9175

Protanopia

43.0371, 40.8880, 100.2316

Deuteranopia

42.0988, 41.0120, 97.7927



Tritanopia

38.6137, 40.7944, 51.7379

Trichromacy



Original Color

48.2384, 40.6811, 99.9175

Protanomaly

44.6519, 40.6409, 100.0988

Deuteranomaly

43.9473, 40.5814, 98.4452

Tritanomaly

41.6000, 40.6154, 66.6198

Monochromacy



Original Color

48.2384, 40.6811, 99.9175

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.4613, 41.4310, 62.2589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2384, 40.6811, 99.9175 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, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 157, 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, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 157, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.2384, 40.6811, 99.9175 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, 157, 255) }
```


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

```
.border{ border-color:rgb(177, 157, 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, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 157,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2384, 40.6811, 99.9175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 157, 255) }
```

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

```
.background{ background-color: rgb(177,  
157, 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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