

Converting Colors

XYZ(45.1206, 42.0756,
119.5306)

Have a look what the booklet for
XYZ(45.1206, 42.0756, 119.5306)
contains.

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Color

**XYZ(41.4780, 40.6366,
100.2653)**

Conversions

Conversions Part 1

Format	Color
Hex	81AAFF
RGB	129, 170, 255
RGB Percent	51%, 67%, 100%
CMY	0.4941, 0.3333, 0.0000
CMYK	0.49, 0.33, 0.00, 0.00
HSL	220°, 100%, 75%
HSV	220°, 49%, 100%
XYZ	41.4780, 40.6366, 100.2653
YIQ	167.4310, -51.7210, 17.7430

Conversions

Conversions Part 2

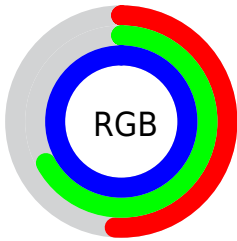
Format	Color
RYB	129, 160, 255
Decimal	8497919
CIELab	69.92, 8.91, -46.44
CIElCh	70, 47.285, 280.857
Yxy	40.6366, 0.2274, 0.2228
Android (android.graphics.Color)	4286687999 (0xFF81AAFF)
YUV	167.4310, 43.1715, -33.7040
Hunter-Lab	63.7468, 4.5872, -48.6325

Details

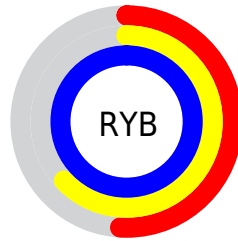
The XYZ color **41.4780, 40.6366, 100.2653** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.2502, 70.9399, 30.8138**, and the grayscale version is **36.7560, 38.6702, 42.1119**.

A 20% lighter version of the original color is **65.4687, 71.6352, 104.9842**, and **19.1257, 18.2993, 55.9502** is the 20% darker color. If you saturate the color by 10%, you get **35.0602, 32.8506, 99.1007**, and if you desaturate by 10%, it is **49.2868, 49.7675, 101.6161**.

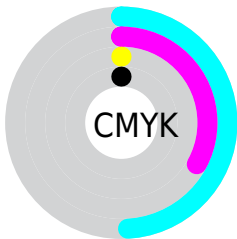
Distribution



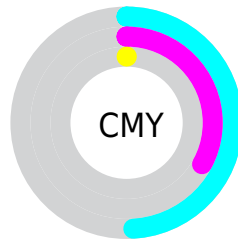
- Red (51%)
- Green (67%)
- Blue (100%)



- Red (51%)
- Yellow (63%)
- Blue (100%)



- Cyan (49%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4780, 40.6366, 100.2653 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 41.4780, 40.6366, 100.2653 by changing the saturation by 10% instead.

■ 41.4780, 40.6366,
100.2653

■ 41.4780, 40.6366,
100.2653

343.3430,
348.7995, 582.2969

■ 28.8821, 28.0352,
75.9040

■ 76.6791, 76.1319,
163.5768

■ 19.1355, 18.3522,
55.8476

■ 100.0150, 99.7947,
203.3640

■ 11.8728, 11.2032,
39.6776

■ 127.6617,
127.9134, 249.1303

■ 6.7287, 6.2037,
26.9754

159.9844,
160.8724, 301.2943

■ 3.3378, 2.9693,
17.3225

197.3485,
199.0561, 360.2743

■ 1.3348, 1.1157,
10.3003

240.1194,

■ 0.2091, 0.0000,

242.8489, 426.4891

5.4903

288.6625,
292.6353, 500.3571

■ 0.0000, 0.0000,
2.4740

■ 0.0000, 0.0000,
0.8263

■ 41.4780, 40.6366,
100.2653

■ 41.4780, 40.6366,
100.2653

■ 35.0602, 32.8506,
99.1007

■ 49.2868, 49.7675,
101.6161

■ 29.9399, 26.3350,
98.1129

■ 58.5637, 60.3039,
103.1609

■ 26.0173, 21.0136,
97.2925

■ 69.3845, 72.3071,
104.9074

■ 23.1745, 16.7978,
96.6286

■ 81.8187, 85.8335,
106.8630

■ 21.2383, 13.5687, 95.0500, 100.0000,
96.1074 108.9000

■ 21.1412, 13.4025,
96.0804

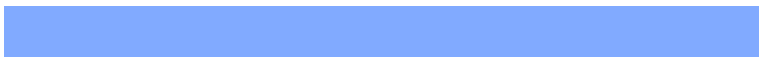
Harmonies

Analogous

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



33.9727, 40.6366, 97.5563



41.4780, 40.6366, 100.2653



49.1327, 40.6366, 84.6519

Triad

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



41.4780, 40.6366, 100.2653



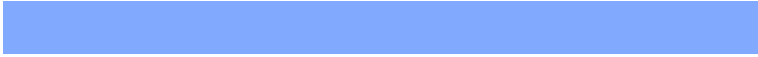
50.9289, 40.6366, 21.9140



26.2657, 40.6366, 31.7556

Complementary

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



41.4780, 40.6366, 100.2653



69.2502, 70.9399, 30.8138

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.



29.7317, 40.6366, 19.3142



41.4780, 40.6366, 100.2653



43.6813, 40.6366, 15.0762

Square

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



41.4780, 40.6366, 100.2653



55.0514, 40.6366, 36.7360



35.9038, 40.6366, 14.3163



25.8401, 40.6366, 52.7163

Rectangle

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



41.4780, 40.6366, 100.2653



53.0398, 40.6366, 68.2538



35.9038, 40.6366, 14.3163



27.0898, 40.6366, 26.6538

Sweetspot

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



41.4793, 40.6380, 100.2655



74.6646, 78.0806, 105.7436



56.8246, 80.9918, 75.5901



15.4325, 16.1137, 22.5468



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.



41.4793, 40.6380, 100.2655



35.2969, 33.1440, 99.1448



38.4796, 29.4065, 98.2557



17.4856, 18.3428, 22.8689



11.1667, 7.2429, 50.2441



1.1818, 0.8943, 4.9236

Inverse Universe

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



56.3470, 39.8644, 42.7563



52.0374, 33.5883, 34.0964



73.6548, 90.5977, 34.3760



18.2530, 18.0845, 19.9495



22.4246, 11.4591, 5.6205



2.2311, 1.1348, 0.7985

Previews

White Background



This preview shows how the XYZ color 41.4780, 40.6366, 100.2653 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 41.4780, 40.6366, 100.2653 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 41.4780, 40.6366, 100.2653

Background



This preview shows how black text looks on a background with the XYZ color 41.4780, 40.6366, 100.2653.



This preview shows how white text looks on a background with the XYZ color 41.4780, 40.6366,

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

41.4780, 40.6366, 100.2653

Protanopia

42.5328, 40.3920, 98.4832

Deuteranopia

41.7537, 40.5015, 100.2247



Tritanopia

33.2473, 40.8209, 58.3515

Trichromacy



Original Color

41.4780, 40.6366, 100.2653

Protanomaly

42.2086, 40.4794, 99.3546

Deuteranomaly

41.5980, 40.4212, 100.2174

Tritanomaly

35.9160, 40.7021, 71.6090

Monochromacy



Original Color

41.4780, 40.6366, 100.2653

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.4483, 38.9011, 59.5678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4780, 40.6366, 100.2653 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(129, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 170, 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(129, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 170, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.4780, 40.6366, 100.2653 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(129, 170, 255) }
```


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

```
.border{ border-color:rgb(129, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 170,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4780, 40.6366, 100.2653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 170, 255) }
```

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

```
.background{ background-color: rgb(129,  
170, 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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