

Converting Colors

XYZ(40.7039, 41.5775,
100.4877)

Have a look what the booklet for
XYZ(40.7039, 41.5775, 100.4877)
contains.

XYZ(40.7161, 41.6619, 100.5033)	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(40.7161, 41.6619,
100.5033)**

Conversions

Conversions Part 1

Format	Color
Hex	75AFFF
RGB	117, 175, 255
RGB Percent	46%, 69%, 100%
CMY	0.5412, 0.3137, 0.0000
CMYK	0.54, 0.31, 0.00, 0.00
HSL	215°, 100%, 73%
HSV	215°, 54%, 100%
XYZ	40.7161, 41.6619, 100.5033
YIQ	166.7780, -60.2480, 12.5840

Conversions

Conversions Part 2

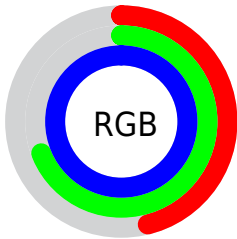
Format	Color
RYB	117, 158, 255
Decimal	7712767
CIELab	70.64, 3.48, -45.36
CIElCh	71, 45.491, 274.389
Yxy	41.6619, 0.2226, 0.2278
Android (android.graphics.Color)	4285902847 (0xFF75AFFF)
YUV	166.7780, 43.4934, -43.6553
Hunter-Lab	64.5460, -0.3565, -47.1370

Details

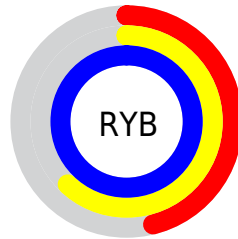
The XYZ color **40.7161, 41.6619, 100.5033** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.4184, 62.4788, 25.4960**, and the grayscale version is **36.4403, 38.3380, 41.7501**.

A 20% lighter version of the original color is **64.2513, 73.0437, 105.3202**, and **18.6922, 18.9732, 56.1031** is the 20% darker color. If you saturate the color by 10%, you get **35.0234, 34.6878, 99.4572**, and if you desaturate by 10%, it is **47.6595, 49.7497, 101.6985**.

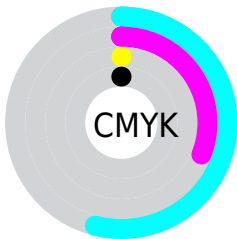
Distribution



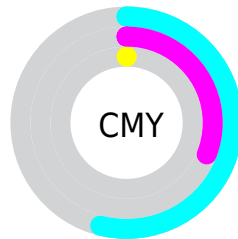
- Red (46%)
- Green (69%)
- Blue (100%)



- Red (46%)
- Yellow (62%)
- Blue (100%)



- Cyan (54%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7161, 41.6619, 100.5033 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 40.7161, 41.6619, 100.5033 by changing the saturation by 10% instead.

■ 40.7161, 41.6619,
100.5033

■ 40.7161, 41.6619,
100.5033

340.2155,
353.0795, 583.0656

■ 28.2840, 28.8366,
76.1017

■ 75.5302, 77.6877,
163.9066

■ 18.6814, 18.9573,
56.0088

■ 98.6429, 101.6570,
203.7453

■ 11.5429, 11.6394,
39.8059

■ 126.0465,
130.1097, 249.5669

■ 6.5032, 6.4986,
27.0746

158.1063,
163.4304, 301.7898

■ 3.1970, 3.1506,
17.3963

195.1878,
202.0033, 360.8325

■ 1.2588, 1.2109,
10.3525

237.6563,

■ 0.1520, 0.0705,

246.2128, 427.1137

5.5247

285.8771,
296.4434, 501.0519

■ 0.0000, 0.0000,
2.4942

■ 0.0000, 0.0000,
0.8371

■ 40.7161, 41.6619,
100.5033

■ 40.7161, 41.6619,
100.5033

■ 35.0234, 34.6878,
99.4572

■ 47.6595, 49.7497,
101.6985

■ 30.4895, 28.7631,
98.5526

■ 55.9280, 59.0019,
103.0485

■ 27.0148, 23.8212,
97.7819

■ 65.5949, 69.4706,
104.5597

■ 24.4777, 19.7827,
97.1361

■ 76.7263, 81.2030,
106.2376

■ 23.3256, 17.7712,
96.8085

■ 89.3842, 94.2437,
108.0876

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.



33.6666, 41.6619, 93.9378



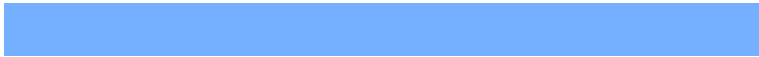
40.7161, 41.6619, 100.5033



48.3470, 41.6619, 88.8790

Triad

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



40.7161, 41.6619, 100.5033



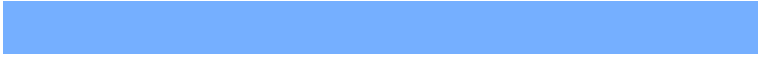
52.7811, 41.6619, 25.7502



27.9300, 41.6619, 29.7027

Complementary

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



40.7161, 41.6619, 100.5033



64.4184, 62.4788, 25.4960

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.



31.9745, 41.6619, 19.0369



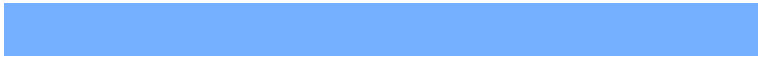
40.7161, 41.6619, 100.5033



46.1889, 41.6619, 17.3140

Square

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



40.7161, 41.6619, 100.5033



55.8506, 41.6619, 42.2647



38.5013, 41.6619, 15.3174



26.8512, 41.6619, 48.6086

Rectangle

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



40.7161, 41.6619, 100.5033



52.5669, 41.6619, 74.0275



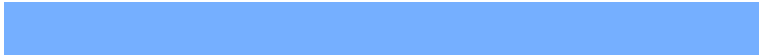
38.5013, 41.6619, 15.3174



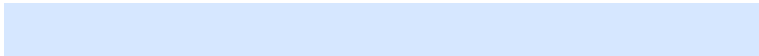
28.9602, 41.6619, 25.2567

Sweetspot

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



40.7175, 41.6633, 100.5035



74.5132, 78.8928, 105.9083



52.9703, 79.2517, 64.2554



15.4447, 16.3576, 22.5933



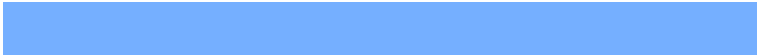
0.0000, 0.0000, 0.0000



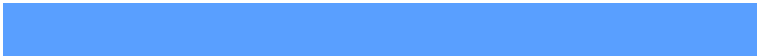
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7175, 41.6633, 100.5035



34.5768, 34.1221, 99.3716



33.0467, 24.3954, 97.5748



17.6304, 18.6324, 22.9171



12.3280, 9.5655, 50.6312



1.3055, 1.1417, 4.9648

Inverse Universe

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



55.3402, 37.0794, 44.7990



51.0836, 30.9466, 36.0416



76.9073, 92.3613, 30.6057



18.3261, 18.1137, 20.3343



23.0108, 11.6936, 8.7073



2.2936, 1.1598, 1.1274

Previews

White Background



This preview shows how the XYZ color 40.7161, 41.6619, 100.5033 looks on a white background.

Color Contrast Check

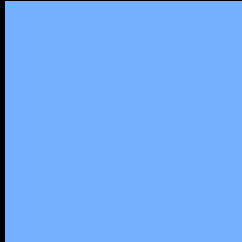
Large Text (above 18pt) WCAG AA × Fail

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 40.7161, 41.6619, 100.5033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

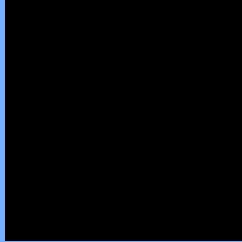
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

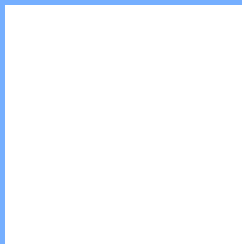
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7161, 41.6619, 100.5033

Background



This preview shows how black text looks on a background with the XYZ color 40.7161, 41.6619, 100.5033.



This preview shows how white text looks on a background with the XYZ color 40.7161, 41.6619,

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

40.7161, 41.6619, 100.5033

Protanopia

43.1203, 41.2978, 96.1411

Deuteranopia

42.6046, 41.4967, 100.3719



Tritanopia

33.0313, 41.8762, 61.6003

Trichromacy



Original Color

40.7161, 41.6619, 100.5033

Protanomaly

42.1253, 41.3050, 97.8479

Deuteranomaly

41.7046, 41.3142, 100.3841

Tritanomaly

35.4880, 41.6194, 74.5695

Monochromacy



Original Color

40.7161, 41.6619, 100.5033

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.0780, 39.2625, 59.6570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7161, 41.6619, 100.5033 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(117, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 175, 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(117, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 175, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.7161, 41.6619, 100.5033 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(117, 175, 255) }
```


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

```
.border{ border-color:rgb(117, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 175,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7161, 41.6619, 100.5033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 175, 255) }
```

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

```
.background{ background-color: rgb(117,  
175, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor