

Converting Colors

XYZ(40.6836, 30.9645, 77.0186)

Have a look what the booklet for
XYZ(40.6836, 30.9645, 77.0186)
contains.

XYZ(40.6762, 31.0052, 77.2395)	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(40.6762, 31.0052,
77.2395)**

Conversions

Conversions Part 1

Format	Color
Hex	B481E4
RGB	180, 129, 228
RGB Percent	71%, 51%, 89%
CMY	0.2941, 0.4941, 0.1059
CMYK	0.21, 0.43, 0.00, 0.11
HSL	271°, 65%, 70%
HSV	271°, 43%, 89%
XYZ	40.6762, 31.0052, 77.2395
YIQ	155.5350, -1.3830, 41.6010

Conversions

Conversions Part 2

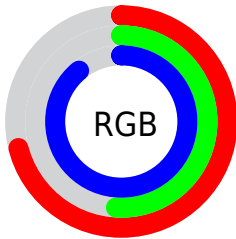
Format	Color
RYB	180, 129, 228
Decimal	11829732
CIELab	62.51, 38.38, -43.00
CIELCh	63, 57.641, 311.748
Yxy	31.0052, 0.2731, 0.2082
Android (android.graphics.Color)	4290019812 (0xFFB481E4)
YUV	155.5350, 35.7252, 21.4558
Hunter-Lab	55.6823, 32.9511, -43.2663

Details

The XYZ color **40.6762, 31.0052, 77.2395** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **49.8381, 66.4195, 30.9635**, and the grayscale version is **31.2406, 32.8676, 35.7928**.

A 20% lighter version of the original color is **69.9085, 59.0915, 102.3290**, and **18.6282, 12.7873, 40.5161** is the 20% darker color. If you saturate the color by 10%, you get **35.5297, 24.3807, 76.2326**, and if you desaturate by 10%, it is **46.7002, 39.0779, 78.4807**.

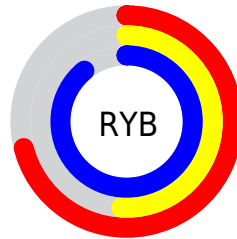
Distribution



Red (71%)

Green (51%)

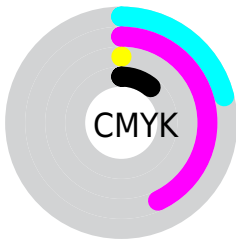
Blue (89%)



Red (71%)

Yellow (51%)

Blue (89%)

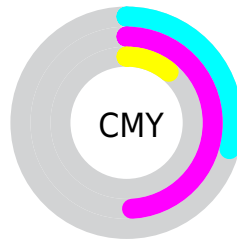


Cyan (21%)

Magenta (43%)

Yellow (0%)

Black (11%)



Cyan (29%)

Magenta (49%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6762, 31.0052, 77.2395 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 40.6762, 31.0052, 77.2395 by changing the saturation by 10% instead.

40.6762, 31.0052,
77.2395

40.6762, 31.0052,
77.2395

340.0512,
306.5623, 505.0396

28.2527, 20.6028,
56.9367

75.4699, 61.2483,
131.2536

18.6577, 12.8340,
40.5454

98.5709, 81.8577,
165.8020

11.5257, 7.3143,
27.6470

125.9617,
106.6383, 205.9360

6.4915, 3.6594,
17.8230

158.0077,
135.9745, 252.0743

3.1897, 1.4849,
10.6549

195.0744,
170.2505, 304.6352

1.2548, 0.2781,
5.7240

237.5269,

0.1490, 0.0000,

209.8509, 364.0373

2.6120

285.7307,
255.1600, 430.6993

■ 0.0000, 0.0000,
0.8986

■ 0.0000, 0.0000,
0.0000

■ 40.6762, 31.0052,
77.2395

■ 40.6762, 31.0052,
77.2395

■ 35.5297, 24.3807,
76.2326

■ 46.7002, 39.0779,
78.4807

■ 31.2075, 19.1082,
75.4427


■ 53.6438, 48.6794,
79.9680

■ 27.6551, 15.0849,
74.8534


■ 61.5504, 59.8884,
81.7149


■ 24.8089, 12.1914,
74.4449


■ 70.4591, 72.7773,
83.7331

 22.5927, 10.2829,
74.1933

 80.4071, 87.4138,
86.0339

 21.4012, 9.4151,
74.0886

 87.8853, 96.7739,
87.4465

 91.0037, 98.3815,
87.5924

Harmonies

Analogous

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



32.6429, 31.0052, 96.0305



40.6762, 31.0052, 77.2395



46.2081, 31.0052, 49.1481

Triad

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



40.6762, 31.0052, 77.2395



34.4419, 31.0052, 7.1331



17.0485, 31.0052, 43.3230

Complementary

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



40.6762, 31.0052, 77.2395



49.8381, 66.4195, 30.9635

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.



17.3574, 31.0052, 21.9735



40.6762, 31.0052, 77.2395



26.5087, 31.0052, 6.6932

Square

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



40.6762, 31.0052, 77.2395



42.1925, 31.0052, 12.4162



20.5371, 31.0052, 10.7233



19.6019, 31.0052, 71.3858

Rectangle

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



40.6762, 31.0052, 77.2395



47.2287, 31.0052, 32.4612



20.5371, 31.0052, 10.7233



16.8352, 31.0052, 35.0917

Sweetspot

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



40.6773, 31.0064, 77.2402



79.7036, 77.7210, 105.4086



39.0779, 42.3098, 79.5063



16.5498, 15.9059, 22.4478



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.



40.6773, 31.0064, 77.2402



46.4717, 32.2763, 98.3884



53.8495, 37.7969, 77.8567



14.2874, 14.2504, 18.1419



12.4954, 5.5075, 42.7876



1.0305, 0.4622, 3.1669

Inverse Universe

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



47.7818, 35.3699, 45.9044



57.1853, 38.8521, 51.3252



40.7600, 61.7396, 30.5387



14.6667, 14.4839, 16.4451



20.1768, 10.2049, 9.8259



1.5378, 0.7728, 0.9725

Previews

White Background



This preview shows how the XYZ color 40.6762, 31.0052, 77.2395 looks on a white background.

Color Contrast Check

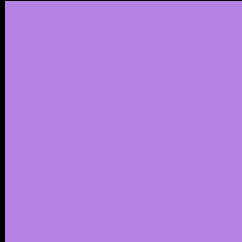
Large Text (above 18pt) WCAG AA × Fail

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 40.6762, 31.0052, 77.2395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

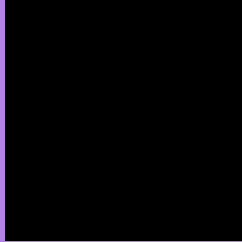
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6762, 31.0052, 77.2395

Background



This preview shows how black text looks on a background with the XYZ color 40.6762, 31.0052, 77.2395.

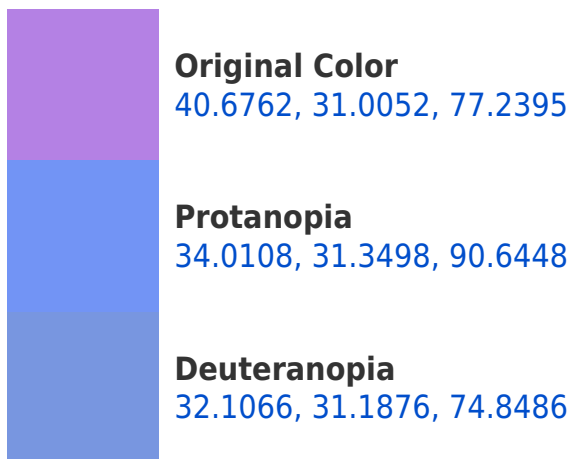


This preview shows how white text looks on a background with the XYZ color 40.6762, 31.0052,

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





Tritanopia

32.2746, 30.9759, 35.7304

Trichromacy



Original Color

40.6762, 31.0052, 77.2395



Protanomaly

35.5861, 30.6850, 85.7086



Deuteranomaly

34.4189, 30.5330, 75.3136



Tritanomaly

34.6894, 30.6133, 48.3366

Monochromacy



Original Color

40.6762, 31.0052, 77.2395



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

34.2394, 31.9345, 48.6153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6762, 31.0052, 77.2395 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(180, 129, 228)` looks like.

```
.text, #text, p{  
    color:rgb(180, 129, 228)  
}
```

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(180, 129, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 129, 228) }
```

Border

The CSS property to change the border of an element to XYZ 40.6762, 31.0052, 77.2395 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(180, 129, 228) }
```


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

```
.border{ border-color:rgb(180, 129, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 129, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 129, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 129, 228);  
box-shadow:4px 4px 4px 4px rgb(180, 129,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6762, 31.0052, 77.2395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 129, 228) }
```

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

```
.background{ background-color: rgb(180,  
129, 228) }
```

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