

Converting Colors

XYZ(42.1156, 30.0921, 77.2448)

Have a look what the booklet for
XYZ(42.1156, 30.0921, 77.2448)
contains.

XYZ(41.9553, 29.9815, 76.9745)	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(41.9553, 29.9815,
76.9745)**

Conversions

Conversions Part 1

Format	Color
Hex	BE78E4
RGB	190, 120, 228
RGB Percent	75%, 47%, 89%
CMY	0.2549, 0.5294, 0.1059
CMYK	0.17, 0.47, 0.00, 0.11
HSL	279°, 67%, 68%
HSV	279°, 47%, 89%
XYZ	41.9553, 29.9815, 76.9745
YIQ	153.2420, 7.0520, 48.4280

Conversions

Conversions Part 2

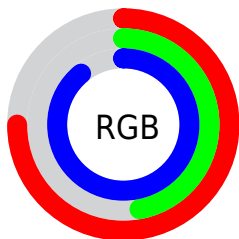
Format	Color
R_{YB}	190, 120, 228
Decimal	12482788
CIE _{Lab}	61.64, 46.06, -44.31
CIE _{LCh}	62, 63.908, 316.108
Yxy	29.9815, 0.2817, 0.2013
Android (android.graphics.Color)	4290672868 (0xFFBE78E4)
YUV	153.2420, 36.8557, 32.2368
Hunter-Lab	54.7554, 40.9505, -45.0205

Details

The XYZ color **41.9553, 29.9815, 76.9745** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **45.2348, 64.1126, 27.7612**, and the grayscale version is **30.2269, 31.8011, 34.6314**.

A 20% lighter version of the original color is **71.8975, 57.4486, 101.9070**, and **19.4060, 12.3031, 40.3817** is the 20% darker color. If you saturate the color by 10%, you get **37.5840, 24.1312, 76.0762**, and if you desaturate by 10%, it is **47.0919, 37.1966, 78.0969**.

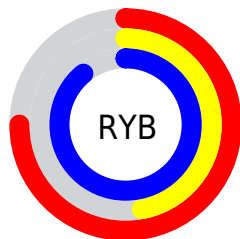
Distribution



Red (75%)

Green (47%)

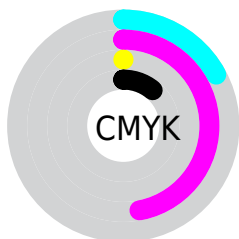
Blue (89%)



Red (75%)

Yellow (47%)

Blue (89%)

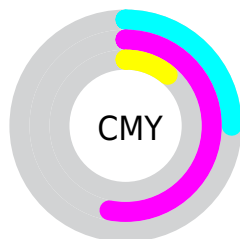


Cyan (17%)

Magenta (47%)

Yellow (0%)

Black (11%)



Cyan (25%)


Magenta (53%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9553, 29.9815, 76.9745 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 41.9553, 29.9815, 76.9745 by changing the saturation by 10% instead.


 41.9553, 29.9815,
76.9745


 41.9553, 29.9815,
76.9745

345.2924,
301.8182, 504.1124


 29.2572, 19.8245,
56.7205


 77.3976, 59.6329,
130.8762

 19.4208, 12.2676,
40.3730


 100.8725, 79.8962,
165.3609

 12.0805, 6.9262,
27.5135


 128.6704,
104.2970, 205.4264

 6.8711, 3.4160,
17.7234

161.1567,
133.2198, 251.4910

 3.4272, 1.3526,
10.5842

198.6966,
167.0489, 303.9734

 1.3835, 0.1814,
5.6774

241.6557,

 0.2444, 0.0000,

206.1687, 363.2921

2.5843

290.3991,
250.9637, 429.8656

■ 0.0000, 0.0000,
0.8843

■ 0.0000, 0.0000,
0.0000

■ 41.9553, 29.9815,
76.9745

■ 41.9553, 29.9815,
76.9745

■ 37.5840, 24.1312,
76.0762

■ 47.0919, 37.1966,
78.0969

■ 33.9258, 19.5470,
75.3841


■ 53.0345, 45.8585,
79.4556


■ 30.9266, 16.1223,
74.8812


■ 59.8249, 56.0471,
81.0643


■ 28.5219, 13.7310,
74.5463


■ 67.5006, 67.8352,
82.9351


 26.6267, 12.2056,
74.3518


 76.0969, 81.2910,
85.0793

 26.1767, 11.8769,
74.3121

 85.0689, 95.3220,
87.3146

 87.8248, 96.7427,
87.4436

 90.7023, 98.2261,
87.5783

 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.



33.2704, 29.9815, 101.3201



41.9553, 29.9815, 76.9745



47.4646, 29.9815, 45.2064

Triad

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



41.9553, 29.9815, 76.9745



32.5987, 29.9815, 5.0421



15.5133, 29.9815, 47.4117

Complementary

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



41.9553, 29.9815, 76.9745



45.2348, 64.1126, 27.7612

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.



15.4046, 29.9815, 22.6566



41.9553, 29.9815, 76.9745



24.2026, 29.9815, 5.1781

Square

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



41.9553, 29.9815, 76.9745



41.3801, 29.9815, 9.2132



18.2761, 29.9815, 9.7745



18.6102, 29.9815, 79.2623

Rectangle

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



41.9553, 29.9815, 76.9745



48.0074, 29.9815, 27.9181



18.2761, 29.9815, 9.7745



15.1506, 29.9815, 37.8769

Sweetspot

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



41.9564, 29.9827, 76.9752



80.2287, 76.9948, 105.2407



34.2519, 34.5988, 78.2722



16.7277, 15.8015, 22.4183



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.



41.9564, 29.9827, 76.9752



48.4516, 31.1140, 98.0597



50.7987, 34.7625, 67.3840



14.4772, 14.3482, 18.1508



15.2483, 6.9267, 42.9165



1.2265, 0.5633, 3.1760

Inverse Universe

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



44.8837, 32.3965, 36.2360



53.1928, 34.9023, 37.5547



39.8211, 61.2130, 32.4184



14.5854, 14.4513, 16.0169



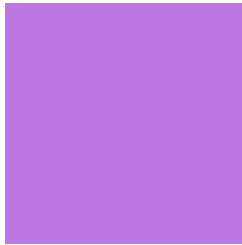
19.3668, 9.8809, 5.5604



1.4740, 0.7473, 0.6364

Previews

White Background



This preview shows how the XYZ color 41.9553, 29.9815, 76.9745 looks on a white background.

Color Contrast Check

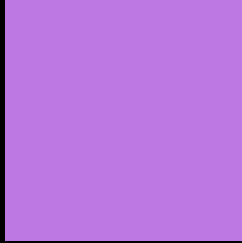
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.9553, 29.9815, 76.9745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

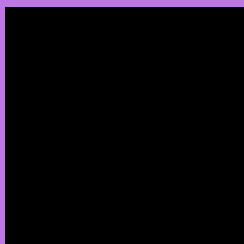
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9553, 29.9815, 76.9745

Background



This preview shows how black text looks on a background with the XYZ color 41.9553, 29.9815, 76.9745.

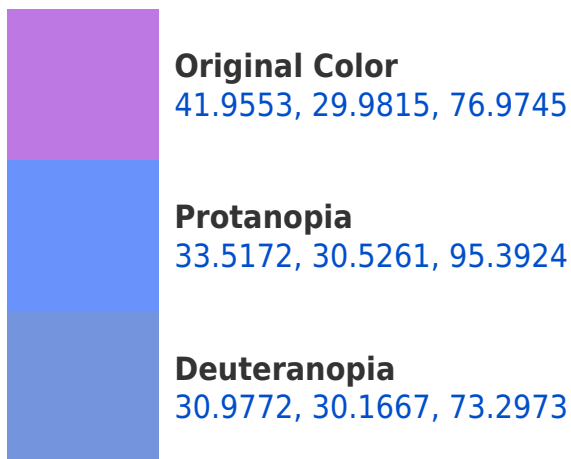


This preview shows how white text looks on a background with the XYZ color 41.9553, 29.9815,

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

32.8734, 29.8119, 32.4554

Trichromacy



Original Color

41.9553, 29.9815, 76.9745



Protanomaly

35.2767, 29.5966, 88.6475



Deuteranomaly

33.8707, 29.3984, 74.4103



Tritanomaly

35.4436, 29.3920, 45.9246

Monochromacy



Original Color

41.9553, 29.9815, 76.9745



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

33.4890, 30.4520, 47.2928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9553, 29.9815, 76.9745 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(190, 120, 228)` looks like.

```
.text, #text, p{  
    color:rgb(190, 120, 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(190, 120, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 120, 228) }
```

Border

The CSS property to change the border of an element to XYZ 41.9553, 29.9815, 76.9745 is called "border". The border property can be set on classes, ids or directly on the HTML element.

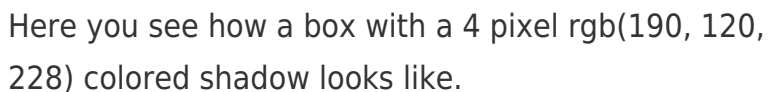
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(190, 120, 228) }
```


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

```
.border{ border-color:rgb(190, 120, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(190, 120, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 120, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 120, 228); box-shadow:4px 4px 4px 4px rgb(190, 120, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9553, 29.9815, 76.9745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 120, 228) }
```

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

```
.background{ background-color: rgb(190,  
120, 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