

Converting Colors

XYZ(40.0689, 28.3504, 70.2873)

Have a look what the booklet for
XYZ(40.0689, 28.3504, 70.2873)
contains.

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Color

**XYZ(40.1521, 28.3231,
70.3685)**

Conversions

Conversions Part 1

Format	Color
Hex	BE73DB
RGB	190, 115, 219
RGB Percent	75%, 45%, 86%
CMY	0.2549, 0.5490, 0.1412
CMYK	0.13, 0.47, 0.00, 0.14
HSL	283°, 59%, 65%
HSV	283°, 47%, 86%
XYZ	40.1521, 28.3231, 70.3685
YIQ	149.2810, 11.3160, 48.2440

Conversions

Conversions Part 2

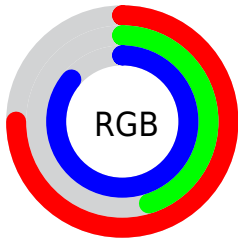
Format	Color
RYB	190, 115, 219
Decimal	12481499
CIELab	60.18, 46.81, -41.57
CIELCh	60, 62.604, 318.391
Yxy	28.3231, 0.2892, 0.2040
Android (android.graphics.Color)	4290671579 (0xFFBE73DB)
YUV	149.2810, 34.3715, 35.7106
Hunter-Lab	53.2195, 41.5376, -41.1416

Details

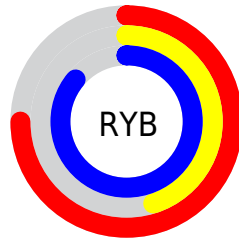
The XYZ color **40.1521, 28.3231, 70.3685** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.9285, 57.8308, 25.2789**, and the grayscale version is **28.5427, 30.0292, 32.7018**.

A 20% lighter version of the original color is **70.9494, 55.5524, 101.5910**, and **18.2199, 11.2677, 35.8649** is the 20% darker color. If you saturate the color by 10%, you get **36.4518, 23.1389, 69.5633**, and if you desaturate by 10%, it is **44.5115, 34.7289, 71.3756**.

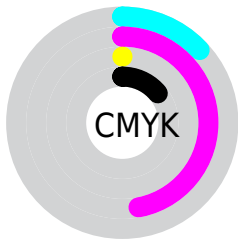
Distribution



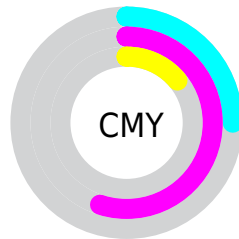
- Red (75%)
- Green (45%)
- Blue (86%)



- Red (75%)
- Yellow (45%)
- Blue (86%)



- Cyan (13%)
- Magenta (47%)
- Yellow (0%)
- Black (14%)





- Cyan (25%)
- Magenta (55%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1521, 28.3231, 70.3685 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 40.1521, 28.3231, 70.3685 by changing the saturation by 10% instead.


 40.1521, 28.3231,
70.3685


 40.1521, 28.3231,
70.3685


337.8877,
294.0076, 480.6669


 27.8419, 18.5694,
51.3484


 74.6779, 56.9999,
121.4202

 18.3464, 11.3595,
36.1073


 97.6243, 76.6917,
154.2887

 11.3001, 6.3092,
24.2267


 124.8467,
100.4650, 192.6105

 6.3379, 3.0340,
15.2881

156.7106,
128.7042, 236.8041

 3.0942, 1.1495,
8.8730

193.5813,
161.7936, 287.2880

 1.2038, 0.0199,
4.5627

235.8241,

 0.1093, 0.0000,

200.1178, 344.4807

1.9389

283.8045,
244.0610, 408.8008

■ 0.0000, 0.0000,
0.5173

■ 0.0000, 0.0000,
0.0000

■ 40.1521, 28.3231,
70.3685

■ 40.1521, 28.3231,
70.3685

■ 36.4518, 23.1389,
69.5633

■ 44.5115, 34.7289,
71.3756

■ 33.3641, 19.0869,
68.9440


■ 49.5662, 42.4301,
72.5957


■ 30.8408, 16.0713,
68.4949


■ 55.3531, 51.4987,
74.0411


■ 28.8245, 13.9782,
68.1971


■ 61.9057, 62.0004,
75.7228


 27.2372, 12.6529,
68.0250


 69.2552, 73.9966,
77.6509

 26.8738, 12.3769,
67.9909

 77.4309, 87.5451,
79.8351

 82.0686, 93.9159,
80.8204

 84.0941, 94.9601,
80.9152

 86.1892, 96.0402,
81.0132

Harmonies

Analogous

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



32.0762, 28.3231, 94.4650



40.1521, 28.3231, 70.3685



44.9951, 28.3231, 40.5916

Triad

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



40.1521, 28.3231, 70.3685



30.1393, 28.3231, 4.6724



14.7930, 28.3231, 46.9487

Complementary

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



40.1521, 28.3231, 70.3685



39.9285, 57.8308, 25.2789

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.



14.4790, 28.3231, 22.7889



40.1521, 28.3231, 70.3685



22.3487, 28.3231, 5.0667

Square

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



40.1521, 28.3231, 70.3685



38.4942, 28.3231, 8.2221



16.9708, 28.3231, 9.8466



17.9353, 28.3231, 76.9569

Rectangle

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



40.1521, 28.3231, 70.3685



45.2069, 28.3231, 24.8414



16.9708, 28.3231, 9.8466



14.3799, 28.3231, 37.7318

Sweetspot

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



40.1531, 28.3243, 70.3691



81.1318, 77.4603, 105.2830



29.9016, 28.8487, 71.0107



16.9487, 15.9154, 22.4286



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.



40.1531, 28.3243, 70.3691



51.4572, 32.6635, 98.2003



45.3620, 31.3294, 56.1607



13.2420, 13.0829, 16.4795



16.0461, 7.3963, 40.3203



1.1216, 0.5215, 2.6160

Inverse Universe

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



40.3791, 29.3363, 29.9209



52.2978, 34.5443, 32.8415



36.9564, 56.1301, 32.7556



13.2045, 13.1109, 14.3382



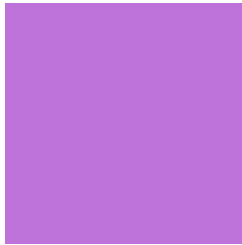
17.8630, 9.1462, 3.6584



1.1936, 0.6071, 0.4283

Previews

White Background



This preview shows how the XYZ color 40.1521, 28.3231, 70.3685 looks on a white background.

Color Contrast Check

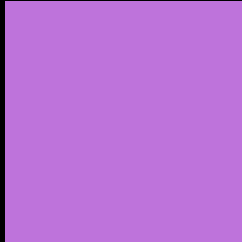
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.1521, 28.3231, 70.3685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

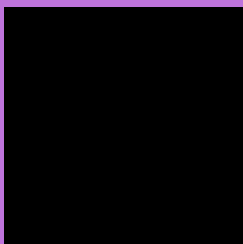
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.1521, 28.3231, 70.3685

Background



This preview shows how black text looks on a background with the XYZ color 40.1521, 28.3231, 70.3685.

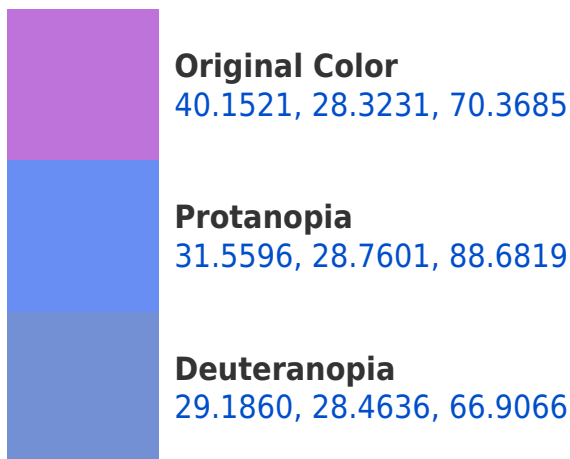


This preview shows how white text looks on a background with the XYZ color 40.1521, 28.3231,

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

31.9359, 28.3419, 29.7739

Trichromacy



Original Color

40.1521, 28.3231, 70.3685



Protanomaly

33.0942, 27.5939, 81.4238



Deuteranomaly

31.9810, 27.5210, 67.9165



Tritanomaly

34.3400, 27.9293, 42.1090

Monochromacy



Original Color

40.1521, 28.3231, 70.3685



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

31.8955, 28.8398, 43.9300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1521, 28.3231, 70.3685 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, 115, 219)` looks like.

```
.text, #text, p{  
    color:rgb(190, 115, 219)  
}
```

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, 115, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 115, 219) }
```

Border

The CSS property to change the border of an element to XYZ 40.1521, 28.3231, 70.3685 is called "border". The border property can be set on classes, ids or directly on the HTML element.

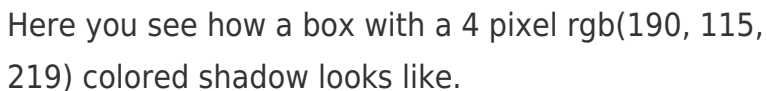
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(190, 115, 219) }
```


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

```
.border{ border-color:rgb(190, 115, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(190, 115, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 115, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 115, 219); box-shadow:4px 4px 4px 4px rgb(190, 115, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1521, 28.3231, 70.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 115, 219) }
```

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

```
.background{ background-color: rgb(190,  
115, 219) }
```

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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