

Converting Colors

XYZ(40.0093, 32.8616, 70.5869)

Have a look what the booklet for
XYZ(40.0093, 32.8616, 70.5869)
contains.

| | |
|--|----|
| XYZ(40.0190, 32.8743, 70.5658) | 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(40.0190, 32.8743,
70.5658)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B18BDA |
| RGB | 177, 139, 218 |
| RGB Percent | 69%, 55%, 85% |
| CMY | 0.3059, 0.4549, 0.1451 |
| CMYK | 0.19, 0.36, 0.00, 0.15 |
| HSL | 269°, 52%, 70% |
| HSV | 269°, 36%, 85% |
| XYZ | 40.0190, 32.8743, 70.5658 |
| YIQ | 159.3680, -2.7110, 32.6250 |

Conversions

Conversions Part 2

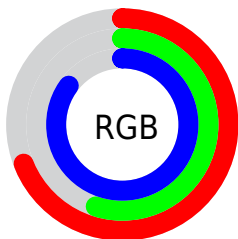
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 177, 139, 218 |
| Decimal | 11635674 |
| CIE _{Lab} | 64.06, 29.67, -35.05 |
| CIE _{LCh} | 64, 45.919, 310.254 |
| Yxy | 32.8743, 0.2790, 0.2292 |
| Android (android.graphics.Color) | 4289825754 (0xFFB18BDA) |
| YUV | 159.3680, 28.9056, 15.4633 |
| Hunter-Lab | 57.3361, 24.2498, -32.8352 |

Details

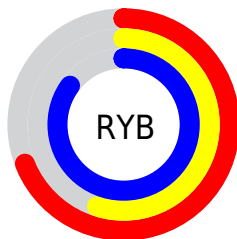
The XYZ color **40.0190, 32.8743, 70.5658** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **48.5549, 61.7109, 33.7797**, and the grayscale version is **32.9967, 34.7151, 37.8047**.

A 20% lighter version of the original color is **71.0516, 62.8524, 102.9946**, and **18.2690, 13.8347, 36.3578** is the 20% darker color. If you saturate the color by 10%, you get **34.7007, 25.9054, 69.5015**, and if you desaturate by 10%, it is **46.1826, 41.2147, 71.8513**.

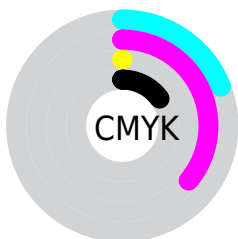
Distribution



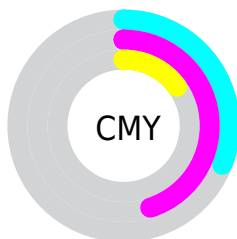
- Red (69%)
- Green (55%)
- Blue (85%)



- Red (69%)
- Yellow (55%)
- Blue (85%)



- Cyan (19%)
- Magenta (36%)
- Yellow (0%)
- Black (15%)



- Cyan (31%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0190, 32.8743, 70.5658 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 40.0190, 32.8743, 70.5658 by changing the saturation by 10% instead.

40.0190, 32.8743,
70.5658

40.0190, 32.8743,
70.5658

337.3367,
315.0829, 481.3768

27.7376, 22.0302,
51.5083

74.4766, 64.1792,
121.7039

18.2674, 13.8791,
36.2337

97.3835, 85.4088,
154.6217

11.2430, 8.0366,
24.3237

124.5631,
110.8690, 192.9965

6.2990, 4.1184,
15.3595

156.3805,
140.9442, 237.2470

3.0701, 1.7400,
8.9226

193.2012,
176.0188, 287.7918

1.1910, 0.4494,
4.5946

235.3906,

0.0992, 0.0000,

216.4772, 345.0493

1.9569

283.3140,
262.7038, 409.4382

■ 0.0000, 0.0000,
0.5286

■ 0.0000, 0.0000,
0.0000

■ 40.0190, 32.8743,
70.5658

■ 40.0190, 32.8743,
70.5658

■ 34.7007, 25.9054,
69.5015

■ 46.1826, 41.2147,
71.8513

■ 30.1815, 20.2261,
68.6435

■ 53.2276, 50.9942,
73.3677

■ 26.4156, 15.7518,
67.9783

■ 61.1919, 62.2805,
75.1264

■ 23.3504, 12.3856,
67.4902

■ 70.1101, 75.1360,
77.1377

■ 20.9253, 10.0148,
67.1604

■ 80.0149, 89.6192,
79.4112

■ 19.0654, 8.4988,
66.9658

■ 86.0313, 95.9739,
80.3207

■ 18.4645, 8.0569,
66.9121

■ 89.6550, 97.8420,
80.4903

Harmonies

Analogous

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



33.5194, 32.8743, 83.7102



40.0190, 32.8743, 70.5658



44.5178, 32.8743, 49.2711

Triad

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



40.0190, 32.8743, 70.5658



35.6526, 32.8743, 11.6007



20.5088, 32.8743, 42.5376

Complementary

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



40.0190, 32.8743, 70.5658



48.5549, 61.7109, 33.7797

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.



20.9150, 32.8743, 25.0310



40.0190, 32.8743, 70.5658



29.0778, 32.8743, 10.8936

Square

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



40.0190, 32.8743, 70.5658



41.7652, 32.8743, 17.3176



23.8592, 32.8743, 14.8671



22.6604, 32.8743, 64.1955

Rectangle

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



40.0190, 32.8743, 70.5658



45.4528, 32.8743, 35.6365



23.8592, 32.8743, 14.8671



20.3588, 32.8743, 35.9530

Sweetspot

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



40.0201, 32.8756, 70.5665



81.5910, 80.7336, 105.8906



39.8544, 43.6541, 72.6557



17.1334, 16.8126, 22.5921



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.



40.0201, 32.8756, 70.5665



51.5423, 39.5964, 99.5340



50.0205, 38.0310, 71.0345



12.9317, 12.9229, 16.4649



11.1850, 4.8903, 40.0928



0.8238, 0.3679, 2.6020

Inverse Universe

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



46.3852, 36.6671, 47.8136



62.1100, 45.8944, 61.6214



40.8251, 57.7261, 33.4180



13.3368, 13.1638, 15.0349



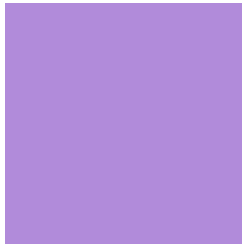
19.1673, 9.6680, 10.5269



1.2852, 0.6437, 0.9110

Previews

White Background



This preview shows how the XYZ color 40.0190, 32.8743, 70.5658 looks on a white background.

Color Contrast Check

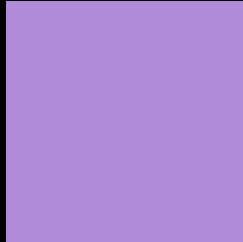
Large Text (above 18pt) WCAG AA × Fail

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 40.0190, 32.8743, 70.5658 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 40.0190, 32.8743, 70.5658

Background



This preview shows how black text looks on a background with the XYZ color 40.0190, 32.8743, 70.5658.



This preview shows how white text looks on a background with the XYZ color 40.0190, 32.8743,

70.5658.

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

40.0190, 32.8743, 70.5658

Protanopia

34.7400, 33.1854, 78.7032

Deuteranopia

33.8103, 32.9230, 68.8628



Tritanopia

33.5764, 32.7462, 38.7334

Trichromacy



Original Color

40.0190, 32.8743, 70.5658

Protanomaly

36.2131, 32.8191, 75.6602

Deuteranomaly

35.7471, 32.7170, 69.3967

Tritanomaly

35.5170, 32.5931, 48.6751

Monochromacy



Original Color

40.0190, 32.8743, 70.5658

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.1923, 33.8588, 47.8606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0190, 32.8743, 70.5658 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(177, 139, 218)` looks like.

```
.text, #text, p{  
    color:rgb(177, 139, 218)  
}
```

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(177, 139, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 139, 218) }
```

Border

The CSS property to change the border of an element to XYZ 40.0190, 32.8743, 70.5658 is called "border". The border property can be set on classes, ids or directly on the HTML element.

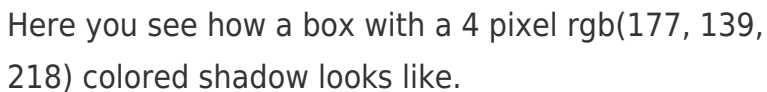
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 139, 218) }
```


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

```
.border{ border-color:rgb(177, 139, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 139, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 139, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 139, 218); box-shadow:4px 4px 4px 4px rgb(177, 139, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0190, 32.8743, 70.5658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 139, 218) }
```

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

```
.background{ background-color: rgb(177,  
139, 218) }
```

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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