

Converting Colors

XYZ(46.2978, 32.9735, 69.5724)

Have a look what the booklet for
XYZ(46.2978, 32.9735, 69.5724)
contains.

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Color

**XYZ(46.1857, 32.8773,
69.5573)**

Conversions

Conversions Part 1

Format	Color
Hex	D27BD9
RGB	210, 123, 217
RGB Percent	82%, 48%, 85%
CMY	0.1765, 0.5176, 0.1490
CMYK	0.03, 0.43, 0.00, 0.15
HSL	296°, 55%, 67%
HSV	296°, 43%, 85%
XYZ	46.1857, 32.8773, 69.5573
YIQ	159.7290, 21.6780, 47.6780

Conversions

Conversions Part 2

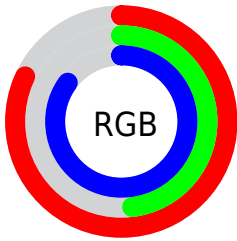
Format	Color
RYB	210, 123, 217
Decimal	13794265
CIELab	64.06, 48.00, -34.21
CIElCh	64, 58.944, 324.520
Yxy	32.8773, 0.3108, 0.2212
Android (android.graphics.Color)	4291984345 (0xFFD27BD9)
YUV	159.7290, 28.2346, 44.0877
Hunter-Lab	57.3387, 43.4370, -31.7873

Details

The XYZ color **46.1857, 32.8773, 69.5573** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.5949, 55.8023, 27.5299**, and the grayscale version is **33.1572, 34.8840, 37.9887**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **22.1013, 13.9851, 35.7170** is the 20% darker color. If you saturate the color by 10%, you get **43.3288, 27.8423, 68.7365**, and if you desaturate by 10%, it is **49.6460, 39.1107, 70.5786**.

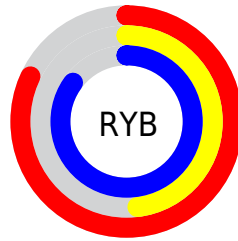
Distribution



Red (82%)

Green (48%)

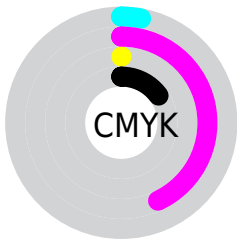
Blue (85%)



Red (82%)

Yellow (48%)

Blue (85%)

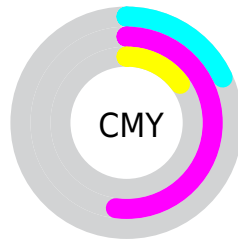


Cyan (3%)

Magenta (43%)

Yellow (0%)

Black (15%)



Cyan (18%)


Magenta (52%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1857, 32.8773, 69.5573 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 46.1857, 32.8773, 69.5573 by changing the saturation by 10% instead.


 46.1857, 32.8773,
69.5573

 46.1857, 32.8773,
69.5573


362.2582,
315.0965, 477.7411


 32.5976, 22.0325,
50.6911


 83.7230, 64.1839,
120.2524

 21.9761, 13.8808,
35.5878

 108.4030, 85.4145,
152.9184

 13.9559, 8.0378,
23.8289


 137.5109,
110.8758, 191.0215

 8.1715, 4.1191,
14.9957

171.4122,
140.9521, 234.9801

 4.2576, 1.7404,
8.6698

210.4722,
176.0280, 285.2128

 1.8489, 0.4496,
4.4326

255.0563,

 0.5469, 0.0000,

216.4877, 342.1382

1.8655

305.5299,
262.7158, 406.1748

■ 0.0000, 0.0000,
0.4707

■ 0.0000, 0.0000,
0.0000

■ 46.1857, 32.8773,
69.5573

■ 46.1857, 32.8773,
69.5573

■ 43.3288, 27.8423,
68.7365

■ 49.6460, 39.1107,
70.5786

■ 41.0322, 23.9217,
68.1008


■ 53.7427, 46.6107,
71.8103


■ 39.2521, 21.0274,
67.6359


■ 58.5101, 55.4453,
73.2643


■ 37.9371, 19.0562,
67.3248


■ 63.9794, 65.6765,
74.9508


 37.0246, 17.8834,
67.1465


 70.1795, 77.3626,
76.8797

 36.5696, 17.4055,
67.0782

 77.1379, 90.5582,
79.0600

 78.1984, 91.9510,
79.2729

 78.6937, 92.2063,
79.2961

 79.1938, 92.4641,
79.3195

Harmonies

Analogous

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



38.3763, 32.8773, 95.8294



46.1857, 32.8773, 69.5573



50.0518, 32.8773, 40.3586

Triad

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



46.1857, 32.8773, 69.5573



32.8033, 32.8773, 6.8033



18.8272, 32.8773, 58.4010

Complementary

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



46.1857, 32.8773, 69.5573



37.5949, 55.8023, 27.5299

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.



17.8661, 32.8773, 31.5942



46.1857, 32.8773, 69.5573



25.0636, 32.8773, 8.1853

Square

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



46.1857, 32.8773, 69.5573



41.4948, 32.8773, 9.9347



19.9393, 32.8773, 15.2325



22.8458, 32.8773, 87.6310

Rectangle

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



46.1857, 32.8773, 69.5573



49.4543, 32.8773, 25.4876



19.9393, 32.8773, 15.2325



18.1697, 32.8773, 48.5697

Sweetspot

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



46.1868, 32.8787, 69.5580



84.4692, 80.1778, 105.6316



28.7880, 25.4101, 69.0334



17.7330, 16.5158, 22.5032



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.



46.1868, 32.8787, 69.5580



62.7591, 40.6728, 99.1506



43.7184, 32.1266, 45.9299



13.5137, 13.2229, 16.4922



22.1767, 10.5567, 40.6072



1.4659, 0.6989, 2.6321

Inverse Universe

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



39.7285, 30.5307, 24.9195



52.4324, 36.9509, 26.2968



39.5187, 56.4520, 43.0750



13.0952, 13.0672, 13.7625



17.3942, 8.9587, 1.1902



1.1409, 0.5860, 0.1511

Previews

White Background



This preview shows how the XYZ color 46.1857, 32.8773, 69.5573 looks on a white background.

Color Contrast Check

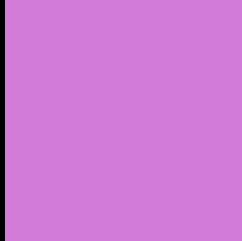
Large Text (above 18pt) WCAG AA × Fail

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 46.1857, 32.8773, 69.5573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

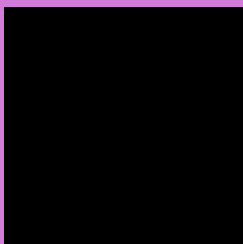
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1857, 32.8773, 69.5573

Background



This preview shows how black text looks on a background with the XYZ color 46.1857, 32.8773, 69.5573.

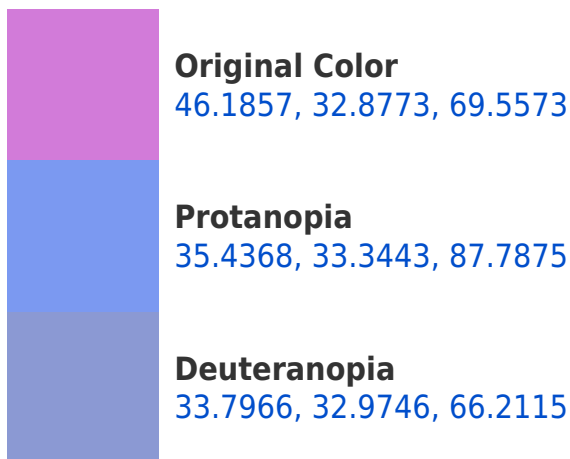


This preview shows how white text looks on a background with the XYZ color 46.1857, 32.8773,

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

38.6007, 32.7644, 32.7235

Trichromacy



Original Color

46.1857, 32.8773, 69.5573

Protanomaly

37.7561, 32.1408, 80.5578

Deuteranomaly

37.2003, 32.1494, 67.1956

Tritanomaly

40.9293, 32.6684, 44.1928

Monochromacy



Original Color

46.1857, 32.8773, 69.5573

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

37.1343, 33.6686, 48.2576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1857, 32.8773, 69.5573 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(210, 123, 217)` looks like.

```
.text, #text, p{  
    color:rgb(210, 123, 217)  
}
```

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(210, 123, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 123, 217) }
```

Border

The CSS property to change the border of an element to XYZ 46.1857, 32.8773, 69.5573 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(210, 123, 217) }
```


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

```
.border{ border-color:rgb(210, 123, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 123, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 123, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 123, 217);  
box-shadow:4px 4px 4px 4px rgb(210, 123,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1857, 32.8773, 69.5573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 123, 217) }
```

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

```
.background{ background-color: rgb(210,  
123, 217) }
```

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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