

Converting Colors

XYZ(47.6615, 32.2140, 69.3031)

Have a look what the booklet for
XYZ(47.6615, 32.2140, 69.3031)
contains.

XYZ(47.5686, 32.1766, 69.3492)	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(47.5686, 32.1766,
69.3492)**

Conversions

Conversions Part 1

Format	Color
Hex	DA73D9
RGB	218, 115, 217
RGB Percent	85%, 45%, 85%
CMY	0.1451, 0.5490, 0.1490
CMYK	0.00, 0.47, 0.00, 0.15
HSL	301°, 58%, 65%
HSV	301°, 47%, 85%
XYZ	47.5686, 32.1766, 69.3492
YIQ	157.4250, 28.6460, 53.5580

Conversions

Conversions Part 2

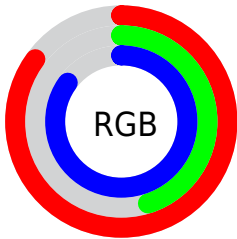
Format	Color
R _Y B	218, 115, 217
Decimal	14316505
CIE Lab	63.49, 54.35, -35.03
CIE LCh	63, 64.662, 327.200
Yxy	32.1766, 0.3191, 0.2158
Android (android.graphics.Color)	4292506585 (0xFFDA73D9)
YUV	157.4250, 29.3705, 53.1243
Hunter-Lab	56.7244, 50.4208, -32.7787

Details

The XYZ color **47.5686, 32.1766, 69.3492** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.2954, 55.0499, 25.2902**, and the grayscale version is **32.1029, 33.7748, 36.7807**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **22.8883, 13.5232, 35.5863** is the 20% darker color. If you saturate the color by 10%, you get **45.3432, 27.7691, 68.4718**, and if you desaturate by 10%, it is **50.3840, 37.7624, 70.4240**.

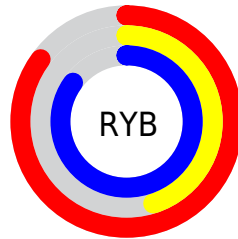
Distribution



Red (85%)

Green (45%)

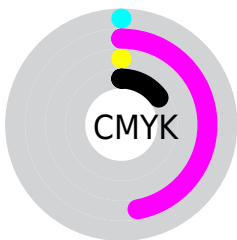
Blue (85%)



Red (85%)

Yellow (45%)

Blue (85%)

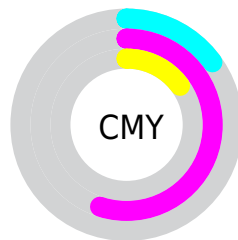


Cyan (0%)

Magenta (47%)

Yellow (0%)

Black (15%)



Cyan (15%)


Magenta (55%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5686, 32.1766, 69.3492 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 47.5686, 32.1766, 69.3492 by changing the saturation by 10% instead.


 47.5686, 32.1766,
69.3492

 47.5686, 32.1766,
69.3492


367.6907,
311.9229, 476.9889


 33.6952, 21.4964,
50.5226


 85.7753, 63.0878,
119.9526

 22.8213, 13.4874,
35.4548


 110.8394, 84.0877,
152.5665

 14.5816, 7.7650,
23.7270


 140.3644,
109.2962, 190.6133

 8.6107, 3.9449,
14.9209


174.7156,
139.0978, 234.5114

 4.5432, 1.6428,
8.6179

214.2586,
173.8769, 284.6795

 2.0138, 0.3862,
4.3994

259.3585,

 0.6417, 0.0000,

214.0179, 341.5361

1.8469

310.3807,
259.9051, 405.4997

■ 0.0000, 0.0000,
0.4586

■ 0.0000, 0.0000,
0.0000

■ 47.5686, 32.1766,
69.3492

■ 47.5686, 32.1766,
69.3492

■ 45.3432, 27.7691,
68.4718

■ 50.3840, 37.7624,
70.4240

■ 43.6624, 24.4515,
67.7758


■ 53.8240, 44.5982,
71.7069


■ 42.4796, 22.1300,
67.2460


■ 57.9245, 52.7550,
73.2102


■ 41.7391, 20.6927,
66.8638


■ 62.7178, 62.2973,
74.9445


 41.3662, 19.9909,
66.6043


 68.2339, 73.2851,
76.9200

 41.2935, 19.8575,
66.5429

 74.5012, 85.7754,
79.1461

 77.3923, 91.5130,
80.2469

 77.4201, 91.5241,
80.3934

 77.4480, 91.5353,
80.5402

Harmonies

Analogous

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



39.2001, 32.1766, 100.2389



47.5686, 32.1766, 69.3492



51.3425, 32.1766, 37.5137

Triad

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



47.5686, 32.1766, 69.3492



31.4366, 32.1766, 5.1790



17.6227, 32.1766, 62.9421

Complementary

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



47.5686, 32.1766, 69.3492



35.2954, 55.0499, 25.2902

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.



16.3434, 32.1766, 32.6676



47.5686, 32.1766, 69.3492



23.3313, 32.1766, 6.8484

Square

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



47.5686, 32.1766, 69.3492



40.9545, 32.1766, 7.6972



18.2150, 32.1766, 14.4524



22.1292, 32.1766, 95.4352

Rectangle

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



47.5686, 32.1766, 69.3492



50.2853, 32.1766, 22.3216



18.2150, 32.1766, 14.4524



16.8448, 32.1766, 51.8399

Sweetspot

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



47.5697, 32.1780, 69.3499



84.6440, 79.2774, 105.1560



25.8573, 20.9698, 69.0156



17.8127, 16.3624, 22.3971



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.



47.5697, 32.1780, 69.3499



64.6016, 39.4658, 97.6326



41.9744, 29.9399, 39.8856



13.6087, 13.2726, 16.4665



24.7412, 11.8975, 39.8787



1.6047, 0.7715, 2.5930

Inverse Universe

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



47.5697, 32.1780, 69.3499



64.6016, 39.4658, 97.6326



39.0719, 56.5605, 45.1769



13.6087, 13.2726, 16.4665



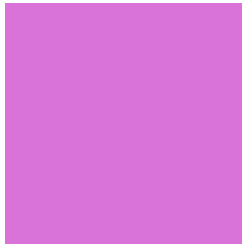
24.7412, 11.8975, 39.8787



1.6047, 0.7715, 2.5930

Previews

White Background



This preview shows how the XYZ color 47.5686, 32.1766, 69.3492 looks on a white background.

Color Contrast Check

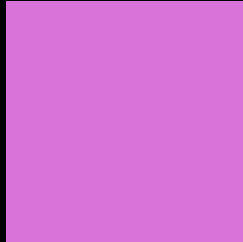
Large Text (above 18pt) WCAG AA × Fail

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 47.5686, 32.1766, 69.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

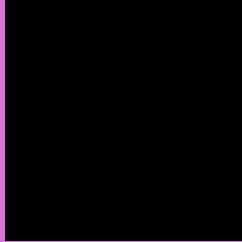
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5686, 32.1766, 69.3492

Background



This preview shows how black text looks on a background with the XYZ color 47.5686, 32.1766, 69.3492.

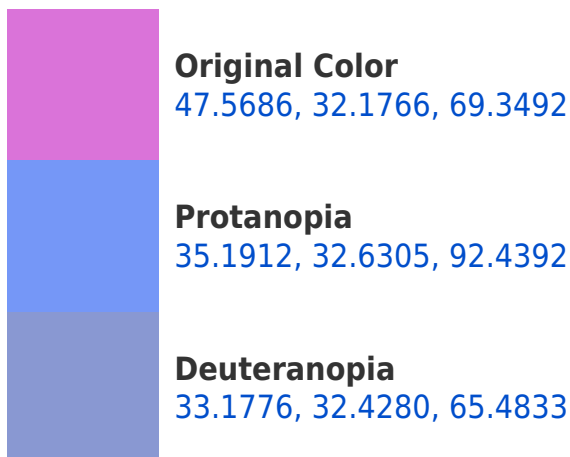


This preview shows how white text looks on a background with the XYZ color 47.5686, 32.1766,

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

39.4282, 32.0108, 29.6918

Trichromacy



Original Color

47.5686, 32.1766, 69.3492



Protanomaly

37.5552, 31.1031, 83.3810



Deuteranomaly

36.9687, 31.3763, 67.0586



Tritanomaly

41.7737, 31.7833, 41.4692

Monochromacy



Original Color

47.5686, 32.1766, 69.3492



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

36.4001, 32.1844, 46.9415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5686, 32.1766, 69.3492 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(218, 115, 217)` looks like.

```
.text, #text, p{  
    color:rgb(218, 115, 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(218, 115, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 115, 217) }
```

Border

The CSS property to change the border of an element to XYZ 47.5686, 32.1766, 69.3492 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(218, 115, 217) }
```


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

```
.border{ border-color:rgb(218, 115, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 115, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 115, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 115, 217);  
box-shadow:4px 4px 4px 4px rgb(218, 115,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5686, 32.1766, 69.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 115, 217) }
```

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

```
.background{ background-color: rgb(218,  
115, 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](#).

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