

Converting Colors

XYZ(47.3089, 32.0886, 82.0192)

Have a look what the booklet for
XYZ(47.3089, 32.0886, 82.0192)
contains.

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Color

**XYZ(47.3691, 32.1306,
82.3025)**

Conversions

Conversions Part 1

Format	Color
Hex	D075EB
RGB	208, 117, 235
RGB Percent	82%, 46%, 92%
CMY	0.1843, 0.5412, 0.0784
CMYK	0.11, 0.50, 0.00, 0.08
HSL	286°, 75%, 69%
HSV	286°, 50%, 92%
XYZ	47.3691, 32.1306, 82.3025
YIQ	157.6610, 16.3580, 55.9900

Conversions

Conversions Part 2

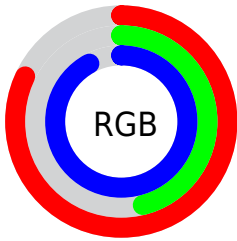
Format	Color
RYB	208, 117, 235
Decimal	13661675
CIELab	63.45, 53.96, -45.20
CIELCh	63, 70.391, 320.048
Yxy	32.1306, 0.2928, 0.1986
Android (android.graphics.Color)	4291851755 (0xFFD075EB)
YUV	157.6610, 38.1281, 44.1473
Hunter-Lab	56.6839, 49.9707, -46.4078

Details

The XYZ color **47.3691, 32.1306, 82.3025** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **44.4218, 66.6311, 27.3507**, and the grayscale version is **32.1749, 33.8505, 36.8632**.

A 20% lighter version of the original color is **74.0425, 57.9850, 101.8975**, and **22.7326, 13.5008, 44.0556** is the 20% darker color. If you saturate the color by 10%, you get **43.4808, 26.5596, 81.4326**, and if you desaturate by 10%, it is **51.9981, 39.1050, 83.4052**.

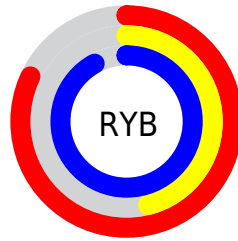
Distribution



Red (82%)

Green (46%)

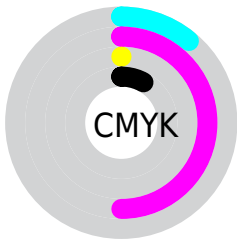
Blue (92%)



Red (82%)

Yellow (46%)

Blue (92%)

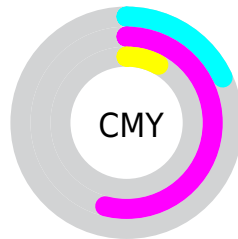


Cyan (11%)

Magenta (50%)

Yellow (0%)

Black (8%)



Cyan (18%)


Magenta (54%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3691, 32.1306, 82.3025 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 47.3691, 32.1306, 82.3025 by changing the saturation by 10% instead.


 47.3691, 32.1306,
82.3025


 47.3691, 32.1306,
82.3025


366.9103,
311.7137, 522.5690


 33.5367, 21.4613,
61.0776


 85.4797, 63.0158,
138.4386

 22.6991, 13.4616,
43.8569


 110.4886, 84.0004,
174.1870

 14.4910, 7.7472,
30.2216


 139.9538,
109.1923, 215.6135

 8.5469, 3.9336,
19.7534

174.2405,
138.9757, 263.1369

 4.5016, 1.6365,
12.0336

213.7141,
173.7352, 317.1756

 1.9896, 0.3820,
6.6438

258.7401,

 0.6281, 0.0000,

213.8551, 378.1481

3.1653

309.6837,
259.7198, 446.4731

■ 0.0000, 0.0000,
1.1796

■ 0.0000, 0.0000,
0.0000

■ 47.3691, 32.1306,
82.3025

■ 47.3691, 32.1306,
82.3025

■ 43.4808, 26.5596,
81.4326

■ 51.9981, 39.1050,
83.4052

■ 40.2769, 22.2829,
80.7760


■ 57.4118, 47.5729,
84.7544


■ 37.6979, 19.1814,
80.3133


■ 63.6548, 57.6218,
86.3650


■ 35.6719, 17.1122,
80.0207


■ 70.7670, 69.3310,
88.2502


 34.1056, 15.8498,
79.8596

 78.7859, 82.7745,
90.4224

 86.7804, 96.0897,
92.5712

 88.6358, 97.0462,
92.6580

 90.5457, 98.0308,
92.7474

 91.9955, 98.7782,
92.8152

Harmonies

Analogous

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



37.4602, 32.1306, 114.0417



47.3691, 32.1306, 82.3025



53.0959, 32.1306, 45.1583

Triad

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



47.3691, 32.1306, 82.3025



33.9108, 32.1306, 4.2142



16.0447, 32.1306, 56.9206

Complementary

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



47.3691, 32.1306, 82.3025



44.4218, 66.6311, 27.3507

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.



15.4927, 32.1306, 26.4669



47.3691, 32.1306, 82.3025



24.5279, 32.1306, 4.8421

Square

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



47.3691, 32.1306, 82.3025



44.2983, 32.1306, 7.7889



18.2585, 32.1306, 10.5231



19.9724, 32.1306, 94.7521

Rectangle

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



47.3691, 32.1306, 82.3025



53.0880, 32.1306, 26.3938



18.2585, 32.1306, 10.5231



15.4962, 32.1306, 45.2628

Sweetspot

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



47.3703, 32.1320, 82.3032



80.8916, 76.3546, 105.0822



32.3869, 29.8899, 82.6602



16.9306, 15.7129, 22.3905



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.



47.3703, 32.1320, 82.3032



52.3142, 31.9372, 98.0150



51.4663, 34.7232, 60.8244



15.3582, 15.1299, 19.0332



19.0976, 8.8811, 44.4506



1.5817, 0.7397, 3.4943

Inverse Universe

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



45.6572, 32.3996, 30.2340



50.5073, 32.5691, 27.2943



42.4278, 65.3523, 38.5905



15.2066, 15.1105, 16.3735



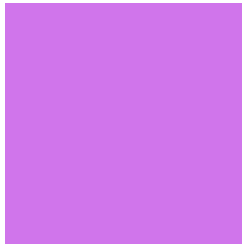
19.4755, 9.9929, 3.0393



1.5652, 0.7990, 0.4277

Previews

White Background



This preview shows how the XYZ color 47.3691, 32.1306, 82.3025 looks on a white background.

Color Contrast Check

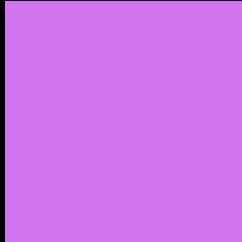
Large Text (above 18pt) WCAG AA × Fail

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 47.3691, 32.1306, 82.3025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

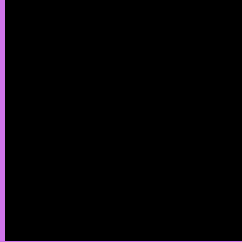
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3691, 32.1306, 82.3025

Background



This preview shows how black text looks on a background with the XYZ color 47.3691, 32.1306, 82.3025.

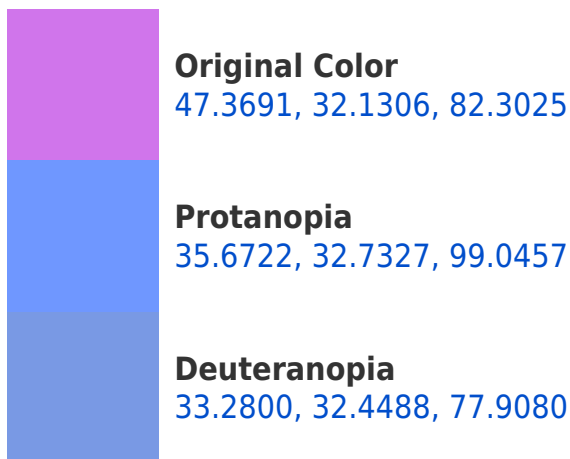


This preview shows how white text looks on a background with the XYZ color 47.3691, 32.1306,

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

37.2782, 32.0826, 32.6616

Trichromacy



Original Color

47.3691, 32.1306, 82.3025



Protanomaly

38.0300, 31.3535, 92.8544



Deuteranomaly

36.9388, 31.2980, 79.6955



Tritanomaly

40.0403, 31.5399, 47.1575

Monochromacy



Original Color

47.3691, 32.1306, 82.3025



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

36.5899, 32.4202, 50.7836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3691, 32.1306, 82.3025 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(208, 117, 235)` looks like.

```
.text, #text, p{  
    color:rgb(208, 117, 235)  
}
```

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(208, 117, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 117, 235) }
```

Border

The CSS property to change the border of an element to XYZ 47.3691, 32.1306, 82.3025 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(208, 117, 235) }
```


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

```
.border{ border-color:rgb(208, 117, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 117, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 117, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 117, 235);  
box-shadow:4px 4px 4px 4px rgb(208, 117,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3691, 32.1306, 82.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 117, 235) }
```

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

```
.background{ background-color: rgb(208,  
117, 235) }
```

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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