

Converting Colors

XYZ(46.1060, 36.2236, 73.5637)

Have a look what the booklet for
XYZ(46.1060, 36.2236, 73.5637)
contains.

XYZ(46.1161, 36.1722, 73.6586)	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(46.1161, 36.1722,
73.6586)**

Conversions

Conversions Part 1

Format	Color
Hex	C78CDE
RGB	199, 140, 222
RGB Percent	78%, 55%, 87%
CMY	0.2196, 0.4510, 0.1294
CMYK	0.10, 0.37, 0.00, 0.13
HSL	283°, 55%, 71%
HSV	283°, 37%, 87%
XYZ	46.1161, 36.1722, 73.6586
YIQ	166.9890, 8.8420, 38.0100

Conversions

Conversions Part 2

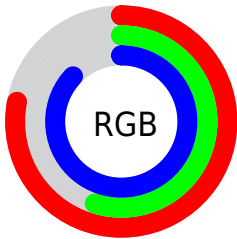
Format	Color
R _Y B	199, 140, 222
Decimal	13077726
CIE Lab	66.65, 36.64, -33.07
CIE LCh	67, 49.354, 317.932
Yxy	36.1722, 0.2957, 0.2320
Android (android.graphics.Color)	4291267806 (0xFFC78CDE)
YUV	166.9890, 27.1204, 28.0736
Hunter-Lab	60.1433, 31.6176, -30.5132

Details

The XYZ color **46.1161, 36.1722, 73.6586** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **45.9603, 61.9234, 34.3426**, and the grayscale version is **36.5954, 38.5012, 41.9279**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **22.0490, 15.8641, 38.4592** is the 20% darker color. If you saturate the color by 10%, you get **41.5754, 29.4927, 72.6092**, and if you desaturate by 10%, it is **51.3813, 44.1983, 74.9309**.

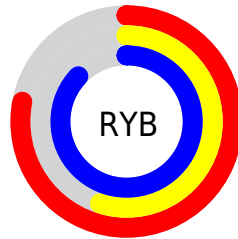
Distribution



Red (78%)

Green (55%)

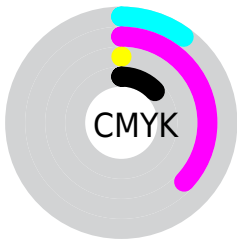
Blue (87%)



Red (78%)

Yellow (55%)

Blue (87%)

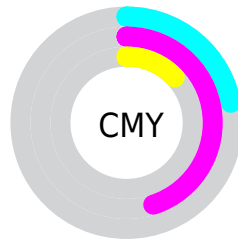


Cyan (10%)

Magenta (37%)

Yellow (0%)

Black (13%)



Cyan (22%)


Magenta (45%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1161, 36.1722, 73.6586 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 46.1161, 36.1722, 73.6586 by changing the saturation by 10% instead.


 46.1161, 36.1722,
73.6586


 46.1161, 36.1722,
73.6586

361.9833,
329.7126, 492.4261


 32.5425, 24.5672,
54.0196


 83.6195, 69.2978,
126.1413

 21.9337, 15.7549,
38.2240


 108.2800, 91.5871,
159.8220

 13.9245, 9.3509,
25.8534


 137.3668,
118.2068, 199.0204

 8.1495, 4.9708,
16.4892

171.2453,
149.5411, 244.1550

 4.2434, 2.2301,
9.7129

210.2809,
185.9744, 295.6443

 1.8407, 0.7363,
5.1059

254.8388,

 0.5420, 0.0000,

227.8911, 353.9069

2.2497

305.2845,
275.6757, 419.3613

■ 0.0000, 0.0000,
0.7028

■ 0.0000, 0.0000,
0.0000

■ 46.1161, 36.1722,
73.6586

■ 46.1161, 36.1722,
73.6586

■ 41.5754, 29.4927,
72.6092

■ 51.3813, 44.1983,
74.9309

■ 37.7149, 24.0755,
71.7671

■ 57.4042, 53.6394,
76.4357

■ 34.4914, 19.8342,
71.1183

■ 64.2205, 64.5646,
78.1852

■ 31.8544, 16.6690,
70.6463

■ 71.8625, 77.0372,
80.1899

■ 29.7447, 14.4632,
70.3318

■ 80.3603, 91.1167,
82.4596

■ 28.0863, 13.0655,
70.1494

■ 83.6576, 94.6890,
82.9754

■ 27.6288, 12.7201,
70.1068

■ 85.7656, 95.7757,
83.0740

■ 87.9464, 96.9000,
83.1761

■ 90.1849, 98.0540,
83.2809

Harmonies

Analogous

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



38.9702, 36.1722, 92.5583



46.1161, 36.1722, 73.6586



50.3321, 36.1722, 48.5758

Triad

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



46.1161, 36.1722, 73.6586



37.4554, 36.1722, 11.3910



22.4990, 36.1722, 53.3758

Complementary

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



46.1161, 36.1722, 73.6586



45.9603, 61.9234, 34.3426

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.



22.2151, 36.1722, 31.4340



46.1161, 36.1722, 73.6586



30.1663, 36.1722, 11.8714

Square

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



46.1161, 36.1722, 73.6586



44.8705, 36.1722, 16.1480



24.8268, 36.1722, 17.8373



25.6680, 36.1722, 78.2435

Rectangle

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



46.1161, 36.1722, 73.6586



50.5634, 36.1722, 34.0041



24.8268, 36.1722, 17.8373



22.0815, 36.1722, 45.3064

Sweetspot

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



46.1173, 36.1737, 73.6594



83.9099, 81.9291, 105.9991



37.1401, 37.1282, 74.3168



17.6868, 17.0979, 22.6180



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.



46.1173, 36.1737, 73.6594



58.4373, 42.5772, 99.7460



50.4304, 38.6580, 62.0783



13.9007, 13.7324, 17.3056



16.5243, 7.6139, 41.6471



1.2312, 0.5720, 2.8908

Inverse Universe

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



46.1143, 36.9315, 39.3497



58.6988, 43.9115, 45.5648



43.0892, 60.2795, 41.6082



13.8645, 13.7634, 15.0564



18.4550, 9.4490, 3.7959



1.3168, 0.6700, 0.4609

Previews

White Background



This preview shows how the XYZ color 46.1161, 36.1722, 73.6586 looks on a white background.

Color Contrast Check

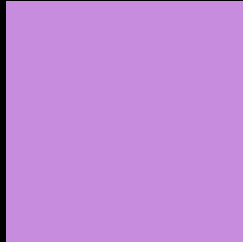
Large Text (above 18pt) WCAG AA × Fail

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 46.1161, 36.1722, 73.6586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

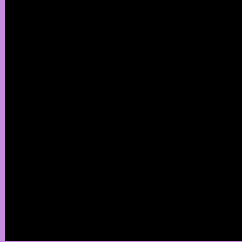
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1161, 36.1722, 73.6586

Background



This preview shows how black text looks on a background with the XYZ color 46.1161, 36.1722, 73.6586.



This preview shows how white text looks on a background with the XYZ color 46.1161, 36.1722,

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

46.1161, 36.1722, 73.6586

Protanopia

38.3199, 36.6330, 85.9401

Deuteranopia

37.2583, 36.4066, 71.3931



Tritanopia

39.1643, 36.0840, 40.0227

Trichromacy



Original Color

46.1161, 36.1722, 73.6586



Protanomaly

40.4539, 36.0822, 81.1763



Deuteranomaly

39.9033, 36.0039, 71.8642



Tritanomaly

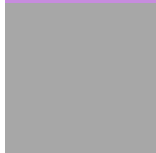
41.3392, 36.0200, 50.6727

Monochromacy



Original Color

46.1161, 36.1722, 73.6586



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

39.6170, 37.2855, 52.1225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1161, 36.1722, 73.6586 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(199, 140, 222)` looks like.

```
.text, #text, p{  
    color:rgb(199, 140, 222)  
}
```

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(199, 140, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 140, 222) }
```

Border

The CSS property to change the border of an element to XYZ 46.1161, 36.1722, 73.6586 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(199, 140, 222) }
```


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

```
.border{ border-color:rgb(199, 140, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 140, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 140, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 140, 222);  
box-shadow:4px 4px 4px 4px rgb(199, 140,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1161, 36.1722, 73.6586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 140, 222) }
```

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

```
.background{ background-color: rgb(199,  
140, 222) }
```

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