

Converting Colors

XYZ(41.5646, 35.9584, 64.7053)

Have a look what the booklet for
XYZ(41.5646, 35.9584, 64.7053)
contains.

XYZ(41.6611, 36.1162, 64.4499)	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(41.6611, 36.1162,
64.4499)**

Conversions

Conversions Part 1

Format	Color
Hex	B795D0
RGB	183, 149, 208
RGB Percent	72%, 58%, 82%
CMY	0.2823, 0.4157, 0.1843
CMYK	0.12, 0.28, 0.00, 0.18
HSL	275°, 39%, 70%
HSV	275°, 28%, 82%
XYZ	41.6611, 36.1162, 64.4499
YIQ	165.8920, 1.3250, 25.5570

Conversions

Conversions Part 2

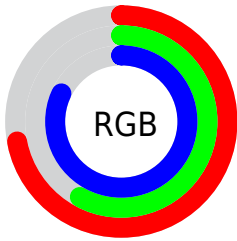
Format	Color
RYB	183, 149, 208
Decimal	12031440
CIELab	66.61, 23.74, -25.50
CIELCh	67, 34.838, 312.955
Yxy	36.1162, 0.2929, 0.2539
Android (android.graphics.Color)	4290221520 (0xFFB795D0)
YUV	165.8920, 20.7592, 15.0037
Hunter-Lab	60.0968, 18.5729, -21.5170

Details

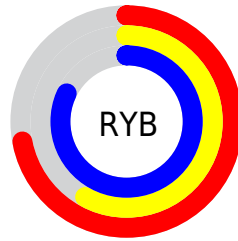
The XYZ color **41.6611, 36.1162, 64.4499** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.4373, 56.2812, 36.9039**, and the grayscale version is **36.0968, 37.9767, 41.3566**.

A 20% lighter version of the original color is **75.0025, 68.2826, 103.8345**, and **19.1707, 15.7024, 32.1575** is the 20% darker color. If you saturate the color by 10%, you get **36.6287, 29.0660, 63.3549**, and if you desaturate by 10%, it is **47.4148, 44.4125, 65.7486**.

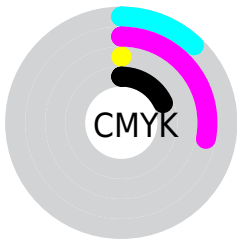
Distribution



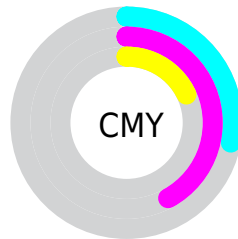
- Red (72%)
- Green (58%)
- Blue (82%)



- Red (72%)
- Yellow (58%)
- Blue (82%)



- Cyan (12%)
- Magenta (28%)
- Yellow (0%)
- Black (18%)



- Cyan (28%)
- Magenta (42%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6611, 36.1162, 64.4499 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 41.6611, 36.1162, 64.4499 by changing the saturation by 10% instead.

■ 41.6611, 36.1162,
64.4499

■ 41.6611, 36.1162,
64.4499

344.0917,
329.4681, 459.0645

■ 29.0260, 24.5240,
46.5667

■ 76.9548, 69.2114,
112.8643

■ 19.2448, 15.7227,
32.3413

■ 100.3442, 91.4831,
144.2325

■ 11.9524, 9.3282,
21.3554

128.0489,
118.0834, 180.9329

■ 6.7832, 4.9559,
13.1902

160.4345,
149.3968, 223.3838

■ 3.3720, 2.2214,
7.4274

197.8662,
185.8075, 272.0039

■ 1.3534, 0.7316,
3.6483

240.7094,

■ 0.2227, 0.0000,

227.7001, 327.2117

1.4345

289.3294,
275.4588, 389.4257

■ 0.0000, 0.0000,
0.1684

■ 0.0000, 0.0000,
0.0000

■ 41.6611, 36.1162,
64.4499

■ 41.6611, 36.1162,
64.4499

■ 36.6287, 29.0660,
63.3549

■ 47.4148, 44.4125,
65.7486

■ 32.2803, 23.1934,
62.4505

■ 53.9177, 54.0094,
67.2582

■ 28.5807, 18.4305,
61.7262

■ 61.2000, 64.9636,
68.9888

■ 25.4892, 14.7000,
61.1691

■ 69.2896, 77.3273,
70.9488

■ 22.9603, 11.9144,
60.7647

■ 78.2125, 91.1496,
73.1465

■ 20.9406, 9.9712,
60.4961

■ 81.6987, 93.8871,
73.4912

■ 19.3505, 8.7152,
60.3374

■ 84.6959, 95.4322,
73.6314

■ 19.1123, 8.5376,
60.3157

■ 87.8395, 97.0527,
73.7785

■ 88.3853, 97.3341,
73.8041

Harmonies

Analogous

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



36.6361, 36.1162, 74.6817



41.6611, 36.1162, 64.4499



44.8896, 36.1162, 48.4035

Triad

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



41.6611, 36.1162, 64.4499



37.3662, 36.1162, 17.6847



25.4147, 36.1162, 46.1549

Complementary

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



41.6611, 36.1162, 64.4499



45.4373, 56.2812, 36.9039

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.



25.5673, 36.1162, 31.4582



41.6611, 36.1162, 64.4499



32.1177, 36.1162, 17.3737

Square

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



41.6611, 36.1162, 64.4499



42.2422, 36.1162, 22.7565



27.9091, 36.1162, 21.7603



27.4686, 36.1162, 62.4470

Rectangle

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



41.6611, 36.1162, 64.4499



45.4048, 36.1162, 37.8554



27.9091, 36.1162, 21.7603



25.2163, 36.1162, 40.8310

Sweetspot

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



41.6623, 36.1177, 64.4507



84.6731, 84.4234, 106.4403



39.0266, 41.4365, 65.6162



17.7852, 17.5672, 22.7034



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.



41.6623, 36.1177, 64.4507



61.1002, 50.2822, 101.0928



47.6679, 39.2690, 62.2367



11.8067, 11.7492, 14.8892



12.0242, 5.3790, 37.5970



0.7619, 0.3470, 2.1064

Inverse Universe

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



44.4009, 37.9622, 45.0329



66.3220, 53.7857, 64.6673



40.6958, 53.7999, 38.3492



12.0136, 11.8902, 13.3475



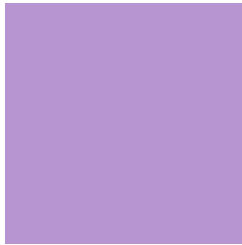
17.3598, 8.8168, 6.8009



1.0099, 0.5087, 0.5872

Previews

White Background



This preview shows how the XYZ color 41.6611, 36.1162, 64.4499 looks on a white background.

Color Contrast Check

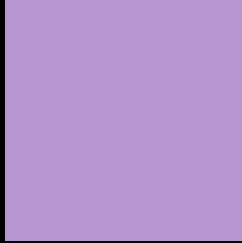
Large Text (above 18pt) WCAG AA × Fail

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 41.6611, 36.1162, 64.4499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

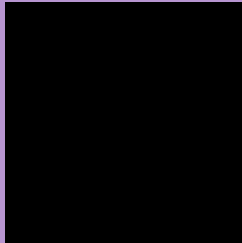
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6611, 36.1162, 64.4499

Background



This preview shows how black text looks on a background with the XYZ color 41.6611, 36.1162, 64.4499.



This preview shows how white text looks on a background with the XYZ color 41.6611, 36.1162,

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

41.6611, 36.1162, 64.4499

Protanopia

36.9981, 36.3025, 70.0228

Deuteranopia

37.0563, 36.2211, 63.4308



Tritanopia

37.1814, 35.9886, 42.5229

Trichromacy



Original Color

41.6611, 36.1162, 64.4499

Protanomaly

38.3959, 36.0546, 67.8863

Deuteranomaly

38.5009, 35.9470, 63.9407

Tritanomaly

38.5289, 35.7851, 49.6763

Monochromacy



Original Color

41.6611, 36.1162, 64.4499

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.9246, 37.2485, 48.9069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6611, 36.1162, 64.4499 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(183, 149, 208)` looks like.

```
.text, #text, p{  
    color:rgb(183, 149, 208)  
}
```

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(183, 149, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 149, 208) }
```

Border

The CSS property to change the border of an element to XYZ 41.6611, 36.1162, 64.4499 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(183, 149, 208) }
```


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

```
.border{ border-color:rgb(183, 149, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 149, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 149, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 149, 208);  
box-shadow:4px 4px 4px 4px rgb(183, 149,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6611, 36.1162, 64.4499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 149, 208) }
```

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

```
.background{ background-color: rgb(183,  
149, 208) }
```

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