

Converting Colors

XYZ(40.1034, 33.7579, 61.4014)

Have a look what the booklet for
XYZ(40.1034, 33.7579, 61.4014)
contains.

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Color

**XYZ(40.1005, 33.7729,
61.5320)**

Conversions

Conversions Part 1

Format	Color
Hex	B78ECC
RGB	183, 142, 204
RGB Percent	72%, 56%, 80%
CMY	0.2823, 0.4431, 0.2000
CMYK	0.10, 0.30, 0.00, 0.20
HSL	280°, 38%, 68%
HSV	280°, 30%, 80%
XYZ	40.1005, 33.7729, 61.5320
YIQ	161.3270, 4.5340, 27.9740

Conversions

Conversions Part 2

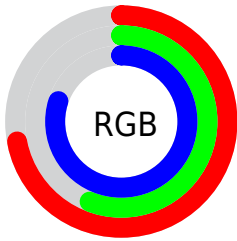
Format	Color
RYB	183, 142, 204
Decimal	12029644
CIELab	64.78, 26.81, -26.07
CIELCh	65, 37.398, 315.798
Yxy	33.7729, 0.2962, 0.2494
Android (android.graphics.Color)	4290219724 (0xFFB78ECC)
YUV	161.3270, 21.0378, 19.0072
Hunter-Lab	58.1145, 21.4694, -22.0966

Details

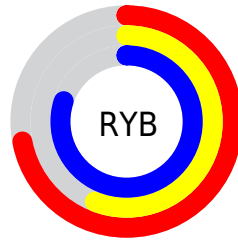
The XYZ color **40.1005, 33.7729, 61.5320** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.5807, 52.9261, 33.6169**, and the grayscale version is **33.9330, 35.7001, 38.8774**.

A 20% lighter version of the original color is **73.7251, 65.2251, 103.3117**, and **18.2994, 14.3513, 30.6598** is the 20% darker color. If you saturate the color by 10%, you get **35.7355, 27.4225, 60.5368**, and if you desaturate by 10%, it is **45.1039, 41.2786, 62.7176**.

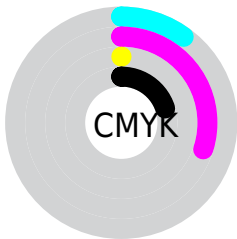
Distribution



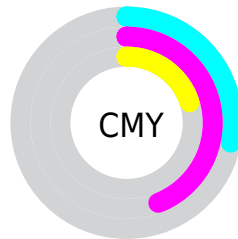
- Red (72%)
- Green (56%)
- Blue (80%)



- Red (72%)
- Yellow (56%)
- Blue (80%)



- Cyan (10%)
- Magenta (30%)
- Yellow (0%)
- Black (20%)





- Cyan (28%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1005, 33.7729, 61.5320 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 40.1005, 33.7729, 61.5320 by changing the saturation by 10% instead.


 40.1005, 33.7729,
61.5320


 40.1005, 33.7729,
61.5320

337.6741,
319.1182, 448.1824


 27.8015, 22.7192,
44.2213

 74.5999, 65.5804,
108.6139

 18.3157, 14.3863,
30.5061


 97.5310, 87.1029,
139.2221

 11.2780, 8.3898,
19.9677


 124.7368,
112.8838, 175.1000

 6.3228, 4.3454,
12.1877

156.5827,
143.3075, 216.6660

 3.0849, 1.8686,
6.7476

193.4340,
178.7584, 264.3387

 1.1988, 0.5294,
3.2287

235.6561,

 0.1054, 0.0000,

219.6209, 318.5367

1.2126

283.6144,
266.2794, 379.6784

■ 0.0000, 0.0000,
0.0000

■ 40.1005, 33.7729,
61.5320

■ 40.1005, 33.7729,
61.5320

■ 35.7355, 27.4225,
60.5368

■ 45.1039, 41.2786,
62.7176

■ 31.9740, 22.1618,
59.7197

■ 50.7714, 49.9921,
64.1007

■ 28.7827, 17.9253,
59.0701

■ 57.1315, 59.9674,
65.6909

■ 26.1235, 14.6383,
58.5758

■ 64.2097, 71.2544,
67.4965

■ 23.9529, 12.2157,
58.2226

■ 72.0303, 83.8998,
69.5251

■ 22.2195, 10.5566,
57.9938

■ 77.5425, 91.8006,
70.7596

■ 20.8753, 9.5025,
57.8612

■ 79.7337, 92.9302,
70.8621

■ 82.0131, 94.1053,
70.9688

■ 84.3815, 95.3262,
71.0797

Harmonies

Analogous

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



34.9992, 33.7729, 73.2740



40.1005, 33.7729, 61.5320



43.2073, 33.7729, 44.5294

Triad

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



40.1005, 33.7729, 61.5320



34.7051, 33.7729, 14.8830



23.1409, 33.7729, 45.4414

Complementary

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



40.1005, 33.7729, 61.5320



41.5807, 52.9261, 33.6169

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.



23.0810, 33.7729, 29.9739



40.1005, 33.7729, 61.5320



29.3658, 33.7729, 15.0002

Square

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



40.1005, 33.7729, 61.5320



39.8646, 33.7729, 19.3629



25.2416, 33.7729, 19.7460



25.4156, 33.7729, 62.3583

Rectangle

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



40.1005, 33.7729, 61.5320



43.5289, 33.7729, 33.8608



25.2416, 33.7729, 19.7460



22.8704, 33.7729, 39.8474

Sweetspot

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



40.1016, 33.7743, 61.5327



85.3584, 84.7768, 106.4724



35.2775, 36.5555, 62.3238



17.9543, 17.6544, 22.7113



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.



40.1016, 33.7743, 61.5327



61.8941, 49.3178, 100.8648



44.3922, 36.1113, 56.0833



11.3041, 11.2061, 14.1376



13.2418, 6.0339, 36.4230



0.7621, 0.3520, 1.8827

Inverse Universe

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



41.1868, 34.8291, 39.2037



64.1434, 51.4337, 57.7591



38.3596, 51.1815, 37.2648



11.3665, 11.2753, 12.4646



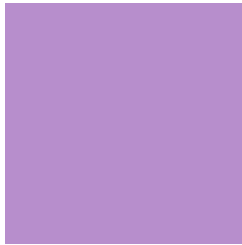
16.3908, 8.3669, 4.5106



0.8809, 0.4458, 0.4189

Previews

White Background



This preview shows how the XYZ color 40.1005, 33.7729, 61.5320 looks on a white background.

Color Contrast Check

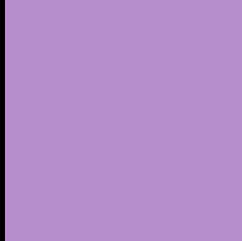
Large Text (above 18pt) WCAG AA × Fail

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 40.1005, 33.7729, 61.5320 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 40.1005, 33.7729, 61.5320

Background



This preview shows how black text looks on a background with the XYZ color 40.1005, 33.7729, 61.5320.



This preview shows how white text looks on a background with the XYZ color 40.1005, 33.7729,

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

40.1005, 33.7729, 61.5320

Protanopia

34.6742, 33.8732, 68.3290

Deuteranopia

34.7764, 34.0965, 60.6255



Tritanopia

35.5594, 33.7684, 38.8262

Trichromacy



Original Color

40.1005, 33.7729, 61.5320

Protanomaly

36.2495, 33.5338, 65.5349

Deuteranomaly

36.3838, 33.7016, 61.0873

Tritanomaly

36.9599, 33.6255, 46.1373

Monochromacy



Original Color

40.1005, 33.7729, 61.5320

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.8536, 34.7205, 46.4070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1005, 33.7729, 61.5320 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, 142, 204)` looks like.

```
.text, #text, p{  
    color:rgb(183, 142, 204)  
}
```

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, 142, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 142, 204) }
```

Border

The CSS property to change the border of an element to XYZ 40.1005, 33.7729, 61.5320 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, 142, 204) }
```


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

```
.border{ border-color:rgb(183, 142, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 142, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 142, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 142, 204);  
box-shadow:4px 4px 4px 4px rgb(183, 142,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1005, 33.7729, 61.5320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 142, 204) }
```

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

```
.background{ background-color: rgb(183,  
142, 204) }
```

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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