

Converting Colors

XYZ(40.6036, 28.1233, 61.9344)

Have a look what the booklet for
XYZ(40.6036, 28.1233, 61.9344)
contains.

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Color

**XYZ(40.6444, 28.1045,
61.6750)**

Conversions

Conversions Part 1

Format	Color
Hex	C86FCE
RGB	200, 111, 206
RGB Percent	78%, 44%, 81%
CMY	0.2157, 0.5647, 0.1922
CMYK	0.03, 0.46, 0.00, 0.19
HSL	296°, 49%, 62%
HSV	296°, 46%, 81%
XYZ	40.6444, 28.1045, 61.6750
YIQ	148.4410, 22.5490, 48.4130

Conversions

Conversions Part 2

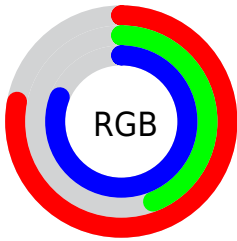
Format	Color
R _Y B	200, 111, 206
Decimal	13135822
CIE _{Lab}	59.98, 49.18, -34.48
CIE _{LCh}	60, 60.062, 324.971
Y _{xy}	28.1045, 0.3116, 0.2155
Android (android.graphics.Color)	4291325902 (0xFFC86FCE)
Y _{UV}	148.4410, 28.3766, 45.2172
Hunter-Lab	53.0137, 44.0780, -31.8672

Details

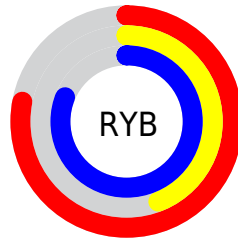
The XYZ color **40.6444, 28.1045, 61.6750** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.2776, 49.0729, 22.8111**, and the grayscale version is **28.2119, 29.6811, 32.3227**.

A 20% lighter version of the original color is **72.7451, 55.3903, 101.4650**, and **18.6006, 11.1898, 30.4576** is the 20% darker color. If you saturate the color by 10%, you get **38.3048, 23.9382, 60.9945**, and if you desaturate by 10%, it is **43.5072, 33.3113, 62.5295**.

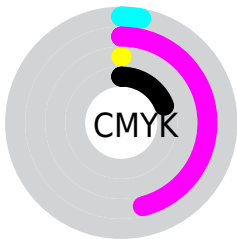
Distribution



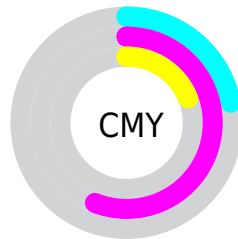
- Red (78%)
- Green (44%)
- Blue (81%)



- Red (78%)
- Yellow (44%)
- Blue (81%)



- Cyan (3%)
- Magenta (46%)
- Yellow (0%)
- Black (19%)





- Cyan (22%)
- Magenta (56%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6444, 28.1045, 61.6750 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 40.6444, 28.1045, 61.6750 by changing the saturation by 10% instead.

 40.6444, 28.1045,
61.6750


 40.6444, 28.1045,
61.6750


339.9202,
292.9659, 448.7195


 28.2278, 18.4044,
44.3361


 75.4219, 56.6512,
108.8227


 18.6388, 11.2407,
30.5957


 98.5135, 76.2667,
139.4686

 11.5120, 6.2290,
20.0353


 125.8941, 99.9561,
175.3871

 6.4821, 2.9848,
12.2364

 157.9291,
128.1039, 216.9969

 3.1838, 1.1238,
6.7804

194.9839,
161.0943, 264.7165

 1.2517, 0.0000,
3.2488

237.4238,

 0.1466, 0.0000,

199.3119, 318.9645

1.2230

285.6141,
243.1409, 380.1593

■ 0.0000, 0.0000,
0.0000

■ 40.6444, 28.1045,
61.6750

■ 40.6444, 28.1045,
61.6750

■ 38.3048, 23.9382,
60.9945

■ 43.5072, 33.3113,
62.5295

■ 36.4493, 20.7365,
60.4743

■ 46.9229, 39.6202,
63.5673

■ 35.0381, 18.4190,
60.1014


■ 50.9224, 47.0925,
64.7988


■ 34.0237, 16.8909,
59.8599


■ 55.5338, 55.7839,
66.2333


■ 33.3466, 16.0328,
59.7300


■ 60.7829, 65.7464,
67.8796

 33.1306, 15.7925,
59.6950

 66.6943, 77.0291,
69.7458

 73.2257, 89.5473,
71.8179

 73.5956, 89.7380,
71.8352

 73.9685, 89.9302,
71.8526

Harmonies

Analogous

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



33.4094, 28.1045, 86.8102



40.6444, 28.1045, 61.6750



44.1895, 28.1045, 34.4407

Triad

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



40.6444, 28.1045, 61.6750



28.0216, 28.1045, 4.9072



15.4820, 28.1045, 52.0304

Complementary

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



40.6444, 28.1045, 61.6750



32.2776, 49.0729, 22.8111

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.



14.5843, 28.1045, 27.0579



40.6444, 28.1045, 61.6750



20.9762, 28.1045, 6.1071

Square

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



40.6444, 28.1045, 61.6750



36.0671, 28.1045, 7.4557



16.3949, 28.1045, 12.2422



19.1337, 28.1045, 79.6246

Rectangle

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



40.6444, 28.1045, 61.6750



43.5738, 28.1045, 20.9650



16.3949, 28.1045, 12.2422



14.8818, 28.1045, 42.8126

Sweetspot

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



40.6454, 28.1057, 61.6756



83.8752, 78.8746, 105.4114



24.0975, 20.6376, 61.1063



17.6230, 16.2630, 22.4602



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.



40.6454, 28.1057, 61.6756



62.2084, 39.0432, 98.8651



37.9153, 27.2025, 38.7712



11.6149, 11.3663, 14.1521



20.4318, 9.7405, 36.7595



1.0757, 0.5137, 1.8974

Inverse Universe

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



34.3499, 25.7763, 19.9958



50.9556, 34.9098, 22.9915



34.3090, 49.7953, 37.5819



11.2406, 11.2250, 11.8015



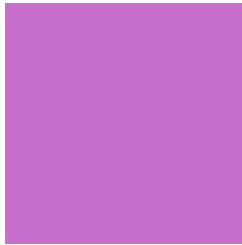
15.7309, 8.1029, 1.0356



0.8218, 0.4221, 0.1075

Previews

White Background



This preview shows how the XYZ color 40.6444, 28.1045, 61.6750 looks on a white background.

Color Contrast Check

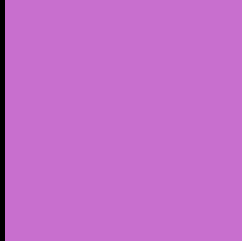
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.6444, 28.1045, 61.6750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

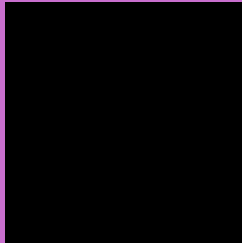
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.6444, 28.1045, 61.6750

Background



This preview shows how black text looks on a background with the XYZ color 40.6444, 28.1045, 61.6750.

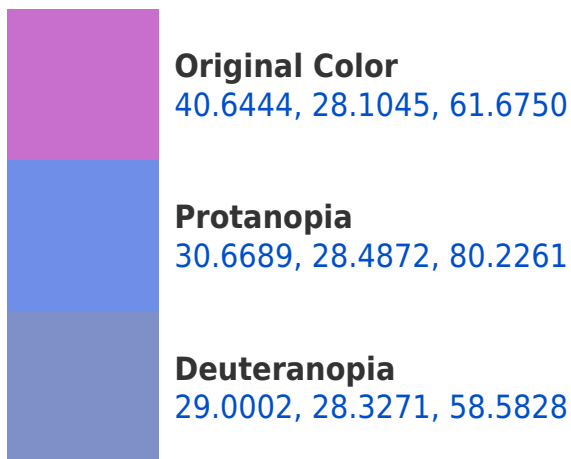


This preview shows how white text looks on a background with the XYZ color 40.6444, 28.1045,

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

33.5906, 28.0613, 27.3129

Trichromacy



Original Color

40.6444, 28.1045, 61.6750



Protanomaly

32.7633, 27.4000, 73.3739



Deuteranomaly

32.1034, 27.3669, 59.4674



Tritanomaly

35.6071, 27.7527, 37.6625

Monochromacy



Original Color

40.6444, 28.1045, 61.6750



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

31.7618, 28.4080, 41.3454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6444, 28.1045, 61.6750 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(200, 111, 206)` looks like.

```
.text, #text, p{  
    color:rgb(200, 111, 206)  
}
```

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(200, 111, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 111, 206) }
```

Border

The CSS property to change the border of an element to XYZ 40.6444, 28.1045, 61.6750 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(200, 111, 206) }
```


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

```
.border{ border-color:rgb(200, 111, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 111, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 111, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 111, 206);  
box-shadow:4px 4px 4px 4px rgb(200, 111,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6444, 28.1045, 61.6750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 111, 206) }
```

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

```
.background{ background-color: rgb(200,  
111, 206) }
```

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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