

Converting Colors

XYZ(36.1846, 30.2555, 61.9629)

Have a look what the booklet for
XYZ(36.1846, 30.2555, 61.9629)
contains.

XYZ(36.0456, 30.1707, 61.6813)	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(36.0456, 30.1707,
61.6813)**

Conversions

Conversions Part 1

Format	Color
Hex	A987CD
RGB	169, 135, 205
RGB Percent	66%, 53%, 80%
CMY	0.3372, 0.4706, 0.1961
CMYK	0.18, 0.34, 0.00, 0.20
HSL	269°, 41%, 67%
HSV	269°, 34%, 80%
XYZ	36.0456, 30.1707, 61.6813
YIQ	153.1460, -2.2060, 28.9780

Conversions

Conversions Part 2

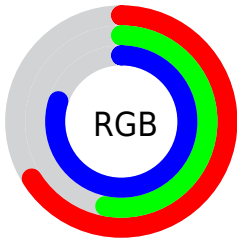
Format	Color
R_{YB}	169, 135, 205
Decimal	11110349
CIE _{Lab}	61.80, 26.57, -31.35
CIE _{LCh}	62, 41.089, 310.282
Yxy	30.1707, 0.2818, 0.2359
Android (android.graphics.Color)	4289300429 (0xFFA987CD)
YUV	153.1460, 25.5640, 13.9040
Hunter-Lab	54.9279, 21.0142, -28.1303

Details

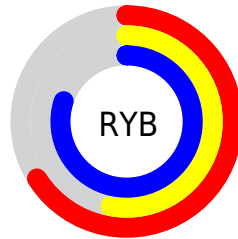
The XYZ color **36.0456, 30.1707, 61.6813** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.9999, 54.0705, 31.0932**, and the grayscale version is **30.2355, 31.8102, 34.6413**.

A 20% lighter version of the original color is **67.2989, 59.6227, 102.5690**, and **15.9560, 12.4120, 30.4089** is the 20% darker color. If you saturate the color by 10%, you get **31.2849, 23.8721, 60.7169**, and if you desaturate by 10%, it is **41.5415, 37.6672, 62.8391**.

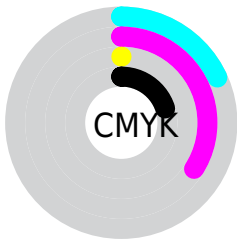
Distribution



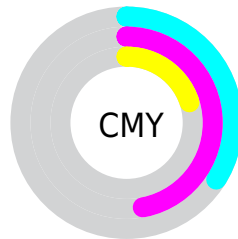
- Red (66%)
- Green (53%)
- Blue (80%)



- Red (66%)
- Yellow (53%)
- Blue (80%)



- Cyan (18%)
- Magenta (34%)
- Yellow (0%)
- Black (20%)



- Cyan (34%)
- Magenta (47%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0456, 30.1707, 61.6813 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 36.0456, 30.1707, 61.6813 by changing the saturation by 10% instead.

36.0456, 30.1707,
61.6813

36.0456, 30.1707,
61.6813

320.5876,
302.6993, 448.7431

24.6397, 19.9682,
44.3411

68.4259, 59.9320,
108.8319

15.9361, 12.3719,
30.5996

90.1309, 80.2596,
139.4794

9.5695, 6.9975,
20.0382

115.9997,
104.7311, 175.3998

5.1745, 3.4605,
12.2385

146.3976,
133.7307, 217.0115

2.3858, 1.3766,
6.7818

181.6900,
167.6430, 264.7332

0.8381, 0.1994,
3.2497

222.2422,

0.0000, 0.0000,

206.8522, 318.9833

1.2235

268.4196,
251.7429, 380.1804

■ 0.0000, 0.0000,
0.0000

■ 36.0456, 30.1707,
61.6813

■ 36.0456, 30.1707,
61.6813

■ 31.2849, 23.8721,
60.7169

■ 41.5415, 37.6672,
62.8391

■ 27.2202, 18.7019,
59.9332

■ 47.8027, 46.4183,
64.1982

■ 23.8132, 14.5893,
59.3190

■ 54.8615, 56.4816,
65.7686


■ 21.0200, 11.4533,
58.8609

■ 62.7470, 67.9099,
67.5589


■ 18.7905, 9.2009,
58.5437


■ 71.4872, 80.7531,
69.5772


 17.0647, 7.7194,
58.3487

 80.1425, 93.1270,
71.5094

 16.2279, 7.0928,
58.2718

 83.6734, 94.9473,
71.6747

 87.4133, 96.8753,
71.8497

 88.0195, 97.1878,
71.8781

Harmonies

Analogous

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



30.5992, 30.1707, 72.4060



36.0456, 30.1707, 61.6813



39.7876, 30.1707, 44.1250

Triad

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



36.0456, 30.1707, 61.6813



32.3818, 30.1707, 11.8396



19.5049, 30.1707, 38.5389

Complementary

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



36.0456, 30.1707, 61.6813



42.9999, 54.0705, 31.0932

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.



19.8541, 30.1707, 23.6818



36.0456, 30.1707, 61.6813



26.8358, 30.1707, 11.2005

Square

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



36.0456, 30.1707, 61.6813



37.4927, 30.1707, 16.9431



22.3869, 30.1707, 14.7834



21.3632, 30.1707, 56.4894

Rectangle

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



36.0456, 30.1707, 61.6813



40.5613, 30.1707, 32.7026



22.3869, 30.1707, 14.7834



19.3744, 30.1707, 32.9994

Sweetspot

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



36.0466, 30.1719, 61.6820



82.7866, 82.3928, 106.1478



35.6065, 38.7486, 63.3606



17.3744, 17.1447, 22.6435



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.



36.0466, 30.1719, 61.6820



53.1780, 41.6262, 99.8396



44.5404, 34.5506, 62.0795



11.1117, 11.1069, 14.1286



10.2113, 4.4717, 36.2812



0.6143, 0.2758, 1.8758

Inverse Universe

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



41.1923, 33.2484, 42.7755



63.1436, 47.5867, 63.1212



36.3859, 50.6608, 30.7837



11.4491, 11.3084, 12.8997



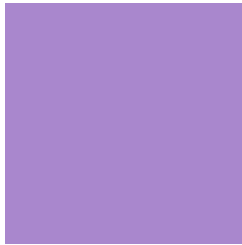
17.3229, 8.7397, 9.4188



0.9319, 0.4662, 0.6874

Previews

White Background



This preview shows how the XYZ color 36.0456, 30.1707, 61.6813 looks on a white background.

Color Contrast Check

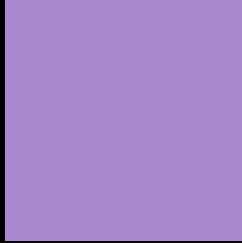
Large Text (above 18pt) WCAG AA × Fail

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 36.0456, 30.1707, 61.6813 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 36.0456, 30.1707, 61.6813

Background



This preview shows how black text looks on a background with the XYZ color 36.0456, 30.1707, 61.6813.



This preview shows how white text looks on a background with the XYZ color 36.0456, 30.1707,

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

36.0456, 30.1707, 61.6813

Protanopia

31.6015, 30.3629, 68.4850

Deuteranopia

31.0447, 30.2476, 60.7020



Tritanopia

30.8241, 30.2282, 35.6625

Trichromacy



Original Color

36.0456, 30.1707, 61.6813

Protanomaly

32.9080, 30.1877, 65.7204

Deuteranomaly

32.7542, 30.2076, 61.2311

Tritanomaly

32.4747, 29.9983, 44.1230

Monochromacy



Original Color

36.0456, 30.1707, 61.6813

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.0234, 30.9073, 43.3076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0456, 30.1707, 61.6813 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(169, 135, 205)` looks like.

```
.text, #text, p{  
    color:rgb(169, 135, 205)  
}
```

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(169, 135, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 135, 205) }
```

Border

The CSS property to change the border of an element to XYZ 36.0456, 30.1707, 61.6813 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(169, 135, 205) }
```


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

```
.border{ border-color:rgb(169, 135, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 135, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 135, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 135, 205);  
box-shadow:4px 4px 4px 4px rgb(169, 135,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0456, 30.1707, 61.6813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 135, 205) }
```

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

```
.background{ background-color: rgb(169,  
135, 205) }
```

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