

Converting Colors

XYZ(34.7830, 29.6520, 53.6567)

Have a look what the booklet for
XYZ(34.7830, 29.6520, 53.6567)
contains.

XYZ(34.7560, 29.6798, 53.7661)	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(34.7560, 29.6798,
53.7661)**

Conversions

Conversions Part 1

Format	Color
Hex	AA87C0
RGB	170, 135, 192
RGB Percent	67%, 53%, 75%
CMY	0.3333, 0.4706, 0.2471
CMYK	0.11, 0.30, 0.00, 0.25
HSL	277°, 31%, 64%
HSV	277°, 30%, 75%
XYZ	34.7560, 29.6798, 53.7661
YIQ	151.9630, 2.5630, 25.1470

Conversions

Conversions Part 2

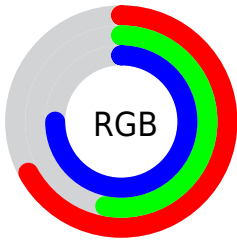
Format	Color
RYB	170, 135, 192
Decimal	11175872
CIELab	61.38, 24.03, -24.67
CIELCh	61, 34.438, 314.240
Yxy	29.6798, 0.2940, 0.2511
Android (android.graphics.Color)	4289365952 (0xFFAA87C0)
YUV	151.9630, 19.7382, 15.8184
Hunter-Lab	54.4792, 18.5388, -20.3785

Details

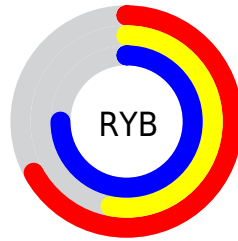
The XYZ color **34.7560, 29.6798, 53.7661** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.1284, 46.6174, 29.9642**, and the grayscale version is **29.7467, 31.2959, 34.0812**.

A 20% lighter version of the original color is **66.6605, 59.4035, 97.5752**, and **15.1721, 12.1139, 25.5833** is the 20% darker color. If you saturate the color by 10%, you get **30.7580, 23.9948, 52.8800**, and if you desaturate by 10%, it is **39.3293, 36.3800, 54.8188**.

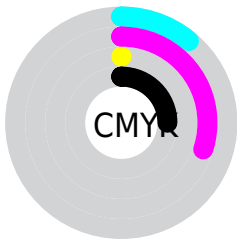
Distribution



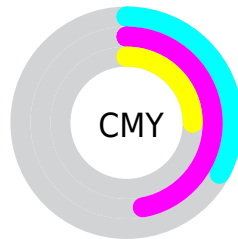
- Red (67%)
- Green (53%)
- Blue (75%)



- Red (67%)
- Yellow (53%)
- Blue (75%)



- Cyan (11%)
- Magenta (30%)
- Yellow (0%)
- Black (25%)





- Cyan (33%)
- Magenta (47%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7560, 29.6798, 53.7661 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 34.7560, 29.6798, 53.7661 by changing the saturation by 10% instead.


 34.7560, 29.6798,
53.7661


 34.7560, 29.6798,
53.7661


315.0169,
300.4091, 418.3668


 23.6406, 19.5957,
38.0228


 66.4441, 59.1554,
97.1837

 15.1905, 12.1015,
25.6984


 87.7476, 79.3157,
125.6950

 9.0404, 6.8128,
16.3744


 113.1777,
103.6035, 159.2994

 4.8249, 3.3453,
9.6323

143.1000,
132.4032, 198.4155

 2.1786, 1.3146,
5.0534

177.8797,
166.0993, 243.4617

 0.7314, 0.1524,
2.2194

217.8822,

 0.0000, 0.0000,

205.0760, 294.8567

0.6855

263.4728,
249.7178, 353.0188

■ 0.0000, 0.0000,
0.0000

■ 34.7560, 29.6798,
53.7661

■ 34.7560, 29.6798,
53.7661

■ 30.7580, 23.9948,
52.8800

■ 39.3293, 36.3800,
54.8188

■ 27.3049, 19.2686,
52.1497

■ 44.5006, 44.1404,
56.0441

■ 24.3679, 15.4447,
51.5664

■ 50.2945, 53.0079,
57.4504

■ 21.9137, 12.4592,
51.1195

■ 56.7335, 63.0253,
59.0446

■ 19.9049, 10.2394,
50.7969

■ 63.8390, 74.2332,
60.8334

■ 18.2975, 8.6998,
50.5845

■ 71.6312, 86.6703,
62.8233

■ 17.0096, 7.6794,
50.4554

■ 75.3607, 90.8358,
63.4308

■ 16.9715, 7.6500,
50.4517

■ 77.6791, 92.0310,
63.5393

■ 80.0985, 93.2782,
63.6525

Harmonies

Analogous

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



30.4143, 29.6798, 63.1493



34.7560, 29.6798, 53.7661



37.4832, 29.6798, 39.6015

Triad

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



34.7560, 29.6798, 53.7661



30.6504, 29.6798, 13.7189



20.5592, 29.6798, 38.8714

Complementary

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



34.7560, 29.6798, 53.7661



37.1284, 46.6174, 29.9642

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.



20.6078, 29.6798, 25.9842



34.7560, 29.6798, 53.7661



26.1144, 29.6798, 13.6220

Square

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



34.7560, 29.6798, 53.7661



34.9448, 29.6798, 17.8120



22.5419, 29.6798, 17.4981



22.4010, 29.6798, 53.1094

Rectangle

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



34.7560, 29.6798, 53.7661



37.8525, 29.6798, 30.5011



22.5419, 29.6798, 17.4981



20.3618, 29.6798, 34.2020

Sweetspot

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



34.7570, 29.6810, 53.7668



81.1712, 80.7974, 101.6776



31.7000, 33.3434, 54.6348



17.1020, 16.8609, 21.7384



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.7570, 29.6810, 53.7668



57.8757, 46.4891, 96.2832



39.2979, 32.0936, 50.7458



10.1086, 10.0472, 12.6913



11.5090, 5.1935, 33.9525



0.5724, 0.2631, 1.4705

Inverse Universe

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



36.4890, 30.9700, 35.9541



61.7600, 49.3497, 57.6983



33.6278, 44.7651, 31.9519



10.2305, 10.1408, 11.3044



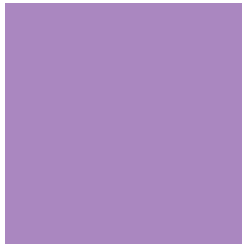
15.4972, 7.8886, 5.2641



0.7033, 0.3543, 0.4052

Previews

White Background



This preview shows how the XYZ color 34.7560, 29.6798, 53.7661 looks on a white background.

Color Contrast Check

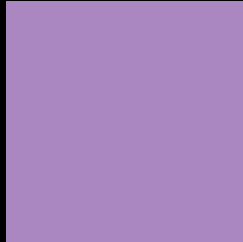
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7560, 29.6798, 53.7661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

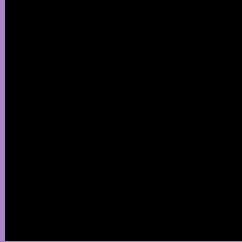
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.7560, 29.6798, 53.7661

Background



This preview shows how black text looks on a background with the XYZ color 34.7560, 29.6798, 53.7661.



This preview shows how white text looks on a background with the XYZ color 34.7560, 29.6798,

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

34.7560, 29.6798, 53.7661

Protanopia

30.4944, 29.7614, 59.3956

Deuteranopia

30.5577, 29.9382, 52.8833



Tritanopia

30.8156, 29.5716, 34.6556

Trichromacy



Original Color

34.7560, 29.6798, 53.7661

Protanomaly

31.7201, 29.5342, 57.4549

Deuteranomaly

32.0259, 29.7830, 53.3510

Tritanomaly

32.0264, 29.3994, 41.0325

Monochromacy



Original Color

34.7560, 29.6798, 53.7661

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.5520, 30.7187, 40.8256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7560, 29.6798, 53.7661 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(170, 135, 192)` looks like.

```
.text, #text, p{  
    color:rgb(170, 135, 192)  
}
```

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(170, 135, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 135, 192) }
```

Border

The CSS property to change the border of an element to XYZ 34.7560, 29.6798, 53.7661 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(170, 135, 192) }
```


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

```
.border{ border-color:rgb(170, 135, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 135, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 135, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 135, 192);  
box-shadow:4px 4px 4px 4px rgb(170, 135,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7560, 29.6798, 53.7661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 135, 192) }
```

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

```
.background{ background-color: rgb(170,  
135, 192) }
```

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