

Converting Colors

XYZ(47.4994, 34.4754, 77.7167)

Have a look what the booklet for
XYZ(47.4994, 34.4754, 77.7167)
contains.

XYZ(47.5860, 34.5673, 77.5629)	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(47.5860, 34.5673,
77.5629)**

Conversions

Conversions Part 1

Format	Color
Hex	CF81E4
RGB	207, 129, 228
RGB Percent	81%, 51%, 89%
CMY	0.1882, 0.4941, 0.1059
CMYK	0.09, 0.43, 0.00, 0.11
HSL	287°, 65%, 70%
HSV	287°, 43%, 89%
XYZ	47.5860, 34.5673, 77.5629
YIQ	163.6080, 14.7090, 47.3250

Conversions

Conversions Part 2

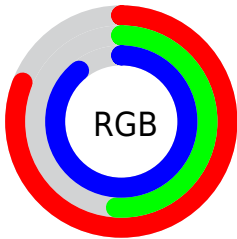
Format	Color
R _Y B	207, 129, 228
Decimal	13599204
CIE _{Lab}	65.41, 46.12, -38.26
CIE _{LCh}	65, 59.920, 320.323
Y _{xy}	34.5673, 0.2979, 0.2164
Android (android.graphics.Color)	4291789284 (0xFFCF81E4)
Y _{UV}	163.6080, 31.7453, 38.0548
Hunter-Lab	58.7940, 41.5829, -37.0615

Details

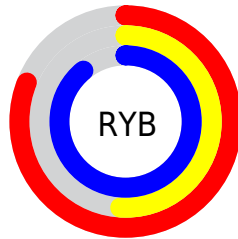
The XYZ color **47.5860, 34.5673, 77.5629** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **44.2845, 63.5566, 30.7039**, and the grayscale version is **34.9508, 36.7710, 40.0436**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **22.8628, 14.8656, 40.6941** is the 20% darker color. If you saturate the color by 10%, you get **43.5808, 28.5314, 76.6095**, and if you desaturate by 10%, it is **52.3050, 41.9675, 78.7431**.

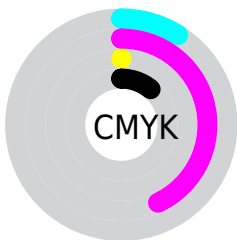
Distribution



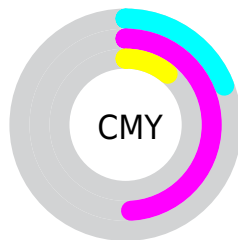
- Red (81%)
- Green (51%)
- Blue (89%)



- Red (81%)
- Yellow (51%)
- Blue (89%)



- Cyan (9%)
- Magenta (43%)
- Yellow (0%)
- Black (11%)





- Cyan (19%)
- Magenta (49%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5860, 34.5673, 77.5629 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 47.5860, 34.5673, 77.5629 by changing the saturation by 10% instead.


 47.5860, 34.5673,
77.5629


 47.5860, 34.5673,
77.5629

367.7587,
322.6543, 506.1697


 33.7090, 23.3298,
57.2007


 85.8011, 66.8149,
131.7140

 22.8320, 14.8372,
40.7559

 110.8700, 88.5937,
166.3400

 14.5895, 8.7052,
27.8102


 140.4002,
114.6551, 206.5576

 8.6162, 4.5494,
17.9448

174.7571,
145.3835, 252.7855

 4.5468, 1.9854,
10.7413

214.3060,
181.1632, 305.4421

 2.0159, 0.5990,
5.7812

259.4124,

 0.6429, 0.0000,

222.3786, 364.9459

2.6459

310.4415,
269.4142, 431.7156

■ 0.0000, 0.0000,
0.9160

■ 0.0000, 0.0000,
0.0000

■ 47.5860, 34.5673,
77.5629

■ 47.5860, 34.5673,
77.5629

■ 43.5808, 28.5314,
76.6095

■ 52.3050, 41.9675,
78.7431

■ 40.2403, 23.7649,
75.8655

■ 57.7754, 50.8095,
80.1614

■ 37.5148, 20.1678,
75.3149

■ 64.0364, 61.1703,
81.8313

■ 35.3452, 17.6231,
74.9380

■ 71.1235, 73.1201,
83.7643

33.6605, 15.9886,
74.7113

79.0698, 86.7248,
85.9715

32.7420, 15.2614,
74.6194

84.3622, 94.9577,
87.2816

85.9901, 95.7969,
87.3578

87.6618, 96.6586,
87.4360

89.3776, 97.5432,
87.5163

Harmonies

Analogous

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



39.0541, 34.5673, 103.3487



47.5860, 34.5673, 77.5629



52.3958, 34.5673, 46.3359

Triad

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



47.5860, 34.5673, 77.5629



35.7664, 34.5673, 7.3126



19.4646, 34.5673, 56.9835

Complementary

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



47.5860, 34.5673, 77.5629



44.2845, 63.5566, 30.7039

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.



18.9000, 34.5673, 30.1028



47.5860, 34.5673, 77.5629



27.3496, 34.5673, 8.1169

Square

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



47.5860, 34.5673, 77.5629



44.8150, 34.5673, 11.3933



21.5292, 34.5673, 14.4887



23.2384, 34.5673, 88.2607

Rectangle

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



47.5860, 34.5673, 77.5629



52.3509, 34.5673, 29.6444



21.5292, 34.5673, 14.4887



18.9228, 34.5673, 46.9529

Sweetspot

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



47.5872, 34.5688, 77.5637



82.8316, 79.3336, 105.5550



34.0364, 32.2266, 77.8258



17.3247, 16.3053, 22.4841



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.



47.5872, 34.5688, 77.5637



56.6975, 37.5479, 98.8669



50.2656, 36.3636, 58.9836



14.6802, 14.4529, 18.1603



19.0092, 8.8655, 43.0925



1.4797, 0.6938, 3.1879

Inverse Universe

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



45.3512, 34.3978, 33.1045



53.7963, 37.4965, 33.4791



42.8878, 62.5908, 41.7429



14.5015, 14.4178, 15.5751



18.8227, 9.6633, 2.6952



1.4246, 0.7275, 0.3765

Previews

White Background



This preview shows how the XYZ color 47.5860, 34.5673, 77.5629 looks on a white background.

Color Contrast Check

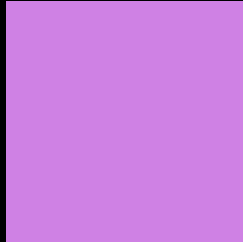
Large Text (above 18pt) WCAG AA × Fail

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 47.5860, 34.5673, 77.5629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

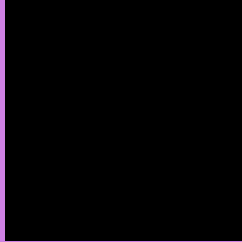
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5860, 34.5673, 77.5629

Background



This preview shows how black text looks on a background with the XYZ color 47.5860, 34.5673, 77.5629.



This preview shows how white text looks on a background with the XYZ color 47.5860, 34.5673,

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

47.5860, 34.5673, 77.5629

Protanopia

37.6132, 35.0271, 96.0453

Deuteranopia

35.6928, 34.7600, 74.6402



Tritanopia

39.1521, 34.5214, 36.0522

Trichromacy



Original Color

47.5860, 34.5673, 77.5629



Protanomaly

39.7830, 33.8989, 89.2404



Deuteranomaly

38.9246, 33.9851, 75.7424



Tritanomaly

41.7635, 34.2601, 48.6677

Monochromacy



Original Color

47.5860, 34.5673, 77.5629



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

38.8586, 35.4244, 51.8032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5860, 34.5673, 77.5629 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(207, 129, 228)` looks like.

```
.text, #text, p{  
    color:rgb(207, 129, 228)  
}
```

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(207, 129, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 129, 228) }
```

Border

The CSS property to change the border of an element to XYZ 47.5860, 34.5673, 77.5629 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(207, 129, 228) }
```


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

```
.border{ border-color:rgb(207, 129, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 129, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 129, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 129, 228);  
box-shadow:4px 4px 4px 4px rgb(207, 129,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5860, 34.5673, 77.5629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 129, 228) }
```

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

```
.background{ background-color: rgb(207,  
129, 228) }
```

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