

Converting Colors

XYZ(52.2766, 41.5367, 87.3757)

Have a look what the booklet for
XYZ(52.2766, 41.5367, 87.3757)
contains.

XYZ(52.2484, 41.5463, 87.7035)	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(52.2484, 41.5463,
87.7035)**

Conversions

Conversions Part 1

Format	Color
Hex	CE97F0
RGB	206, 151, 240
RGB Percent	81%, 59%, 94%
CMY	0.1921, 0.4078, 0.0588
CMYK	0.14, 0.37, 0.00, 0.06
HSL	277°, 75%, 77%
HSV	277°, 37%, 94%
XYZ	52.2484, 41.5463, 87.7035
YIQ	177.5910, 4.2110, 39.3390

Conversions

Conversions Part 2

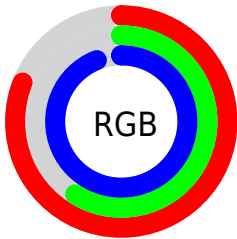
Format	Color
R _Y B	206, 151, 240
Decimal	13539312
CIE Lab	70.56, 36.50, -36.85
CIE LCh	71, 51.866, 314.725
Yxy	41.5463, 0.2879, 0.2289
Android (android.graphics.Color)	4291729392 (0xFFCE97F0)
YUV	177.5910, 30.7676, 24.9147
Hunter-Lab	64.4564, 31.8934, -35.5542

Details

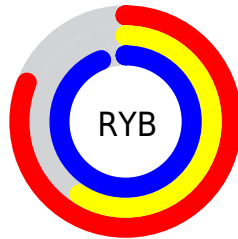
The XYZ color **52.2484, 41.5463, 87.7035** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **56.7548, 74.8698, 40.7400**, and the grayscale version is **41.9435, 44.1279, 48.0553**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **25.6912, 18.8684, 47.6353** is the 20% darker color. If you saturate the color by 10%, you get **46.3007, 33.3190, 86.4296**, and if you desaturate by 10%, it is **59.1336, 51.4259, 89.2482**.

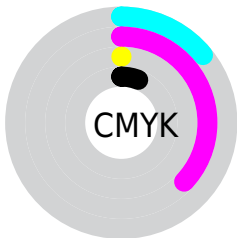
Distribution



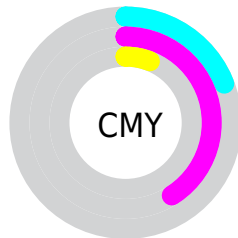
- Red (81%)
- Green (59%)
- Blue (94%)



- Red (81%)
- Yellow (59%)
- Blue (94%)



- Cyan (14%)
- Magenta (37%)
- Yellow (0%)
- Black (6%)





- Cyan (19%)
- Magenta (41%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2484, 41.5463, 87.7035 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 52.2484, 41.5463, 87.7035 by changing the saturation by 10% instead.

 52.2484, 41.5463,
87.7035


 52.2484, 41.5463,
87.7035


385.7030,
352.5987, 540.9079

 37.4282, 28.7462,
65.5146

 92.6695, 77.5125,
146.0518

 25.7144, 18.8889,
47.4245


 119.0012,
101.4474, 183.0483

 16.7416, 11.5900,
33.0146


149.9006,
129.8627, 225.8177

 10.1446, 6.4652,
21.8664

185.7333,
163.1427, 274.7786

 5.5580, 3.1299,
13.5614

226.8645,
201.6720, 330.3496

 2.6163, 1.1999,
7.6810

273.6596,

 0.9543, 0.0617,

245.8348, 392.9491

3.8067

326.4840,
296.0156, 462.9957

■ 0.0000, 0.0000,
1.5199

■ 0.0000, 0.0000,
0.2327

■ 52.2484, 41.5463,
87.7035

■ 52.2484, 41.5463,
87.7035

■ 46.3007, 33.3190,
86.4296

■ 59.1336, 51.4259,
89.2482

■ 41.2356, 26.6415,
85.4077

■ 66.9985, 63.0417,
91.0758

■ 36.9989, 21.4077,
84.6208

■ 75.8875, 76.4783,
93.2008

■ 33.5274, 17.4954,
84.0486

■ 85.8410, 91.8128,
95.6360

■ 30.7476, 14.7616,
83.6674

■ 91.5770, 98.4778,
96.6202

■ 28.5652, 13.0218,
83.4466

■ 92.7283, 99.0713,
96.6741

■ 27.9982, 12.6167,
83.3983

Harmonies

Analogous

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



43.8242, 41.5463, 107.9044



52.2484, 41.5463, 87.7035



57.6013, 41.5463, 58.8352

Triad

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



52.2484, 41.5463, 87.7035



43.9881, 41.5463, 13.2872



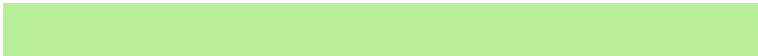
25.6061, 41.5463, 58.3155

Complementary

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



52.2484, 41.5463, 87.7035



56.7548, 74.8698, 40.7400

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.



25.6368, 41.5463, 33.9140



52.2484, 41.5463, 87.7035



35.4487, 41.5463, 13.2355

Square

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



52.2484, 41.5463, 87.7035



52.3833, 41.5463, 19.5019



28.9961, 41.5463, 19.3197



28.9052, 41.5463, 87.2065

Rectangle

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



52.2484, 41.5463, 87.7035



58.2803, 41.5463, 41.4619



28.9961, 41.5463, 19.3197



25.2446, 41.5463, 49.2343

Sweetspot

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



52.2498, 41.5480, 87.7044



82.9124, 81.4148, 105.9524



45.8656, 47.6190, 89.2127



17.4484, 16.9750, 22.6068



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.



52.2498, 41.5480, 87.7044



55.0335, 40.8224, 99.5867



61.2320, 46.3517, 80.3014



15.8354, 15.7124, 19.9198



15.4794, 6.9853, 45.6603



1.3982, 0.6381, 3.8037

Inverse Universe

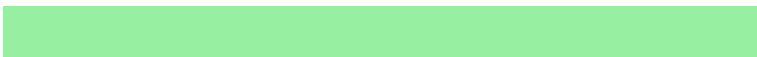
The Inverse Universe completely reimagines the original color for something new.



55.7600, 44.1629, 51.4858



59.8596, 44.3758, 51.6770



50.3908, 71.4873, 45.0400



16.0227, 15.8588, 17.6756



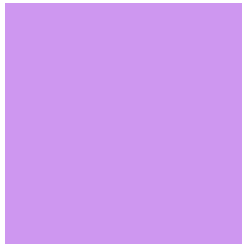
20.7814, 10.5850, 6.7652



1.7759, 0.8994, 0.8106

Previews

White Background



This preview shows how the XYZ color 52.2484, 41.5463, 87.7035 looks on a white background.

Color Contrast Check

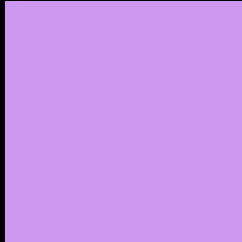
Large Text (above 18pt) WCAG AA × Fail

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 52.2484, 41.5463, 87.7035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

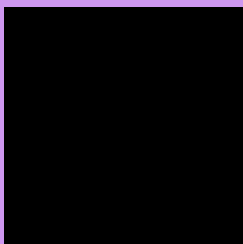
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2484, 41.5463, 87.7035

Background



This preview shows how black text looks on a background with the XYZ color 52.2484, 41.5463, 87.7035.



This preview shows how white text looks on a background with the XYZ color 52.2484, 41.5463,

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

52.2484, 41.5463, 87.7035

Protanopia

43.9263, 41.8987, 100.3798

Deuteranopia

42.8401, 41.9543, 85.1969



Tritanopia

43.9762, 41.4610, 47.2799

Trichromacy



Original Color

52.2484, 41.5463, 87.7035



Protanomaly

46.2889, 41.3120, 95.9768



Deuteranomaly

45.5748, 41.4360, 85.7167



Tritanomaly

46.6429, 41.2458, 60.1465

Monochromacy



Original Color

52.2484, 41.5463, 87.7035



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

45.2843, 42.9137, 61.1548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2484, 41.5463, 87.7035 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(206, 151, 240)` looks like.

```
.text, #text, p{  
    color:rgb(206, 151, 240)  
}
```

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(206, 151, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 151, 240) }
```

Border

The CSS property to change the border of an element to XYZ 52.2484, 41.5463, 87.7035 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(206, 151, 240) }
```


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

```
.border{ border-color:rgb(206, 151, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 151, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 151, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 151, 240);  
box-shadow:4px 4px 4px 4px rgb(206, 151,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2484, 41.5463, 87.7035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 151, 240) }
```

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

```
.background{ background-color: rgb(206,  
151, 240) }
```

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