

Converting Colors

XYZ(54.6321, 40.7494, 84.0805)

Have a look what the booklet for
XYZ(54.6321, 40.7494, 84.0805)
contains.

XYZ(54.6321, 40.7743, 84.3477)	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(54.6321, 40.7743,
84.3477)**

Conversions

Conversions Part 1

Format	Color
Hex	DD8EEC
RGB	221, 142, 236
RGB Percent	87%, 56%, 93%
CMY	0.1333, 0.4431, 0.0745
CMYK	0.06, 0.40, 0.00, 0.07
HSL	290°, 71%, 74%
HSV	290°, 40%, 93%
XYZ	54.6321, 40.7743, 84.3477
YIQ	176.3370, 16.9100, 45.9820

Conversions

Conversions Part 2

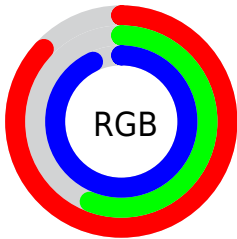
Format	Color
R _Y B	221, 142, 236
Decimal	14520044
CIE Lab	70.02, 44.96, -35.38
CIE LCh	70, 57.209, 321.803
Yxy	40.7743, 0.3039, 0.2268
Android (android.graphics.Color)	4292710124 (0xFFDD8EEC)
YUV	176.3370, 29.4139, 39.1695
Hunter-Lab	63.8548, 40.9731, -33.6196

Details

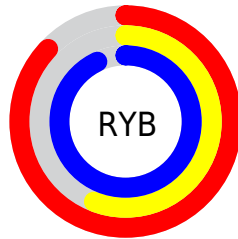
The XYZ color **54.6321, 40.7743, 84.3477** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **48.7840, 69.1130, 36.3621**, and the grayscale version is **41.2890, 43.4392, 47.3053**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **27.1204, 18.3326, 45.2891** is the 20% darker color. If you saturate the color by 10%, you get **50.3521, 33.8965, 83.2463**, and if you desaturate by 10%, it is **59.6839, 49.1554, 85.6998**.

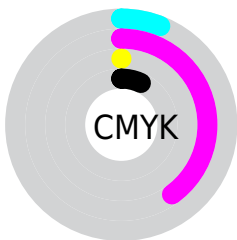
Distribution



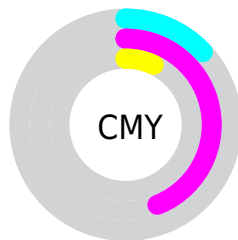
- Red (87%)
- Green (56%)
- Blue (93%)



- Red (87%)
- Yellow (56%)
- Blue (93%)



- Cyan (6%)
- Magenta (40%)
- Yellow (0%)
- Black (7%)





- Cyan (13%)
- Magenta (44%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.6321, 40.7743, 84.3477 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 54.6321, 40.7743, 84.3477 by changing the saturation by 10% instead.


 54.6321, 40.7743,
84.3477


 54.6321, 40.7743,
84.3477


394.6750,
349.3764, 529.5553

 39.3399, 28.1428,
62.7555


 96.1532, 76.3412,
141.3275

 27.2062, 18.4333,
45.2037


 123.1128,
100.0453, 177.5522

 17.8655, 11.2615,
31.2738


154.6923,
128.2090, 219.4915

 10.9526, 6.2430,
20.5472

191.2570,
161.2168, 267.5638

 6.1020, 2.9934,
12.6054

233.1722,
199.4531, 322.1879

 2.9485, 1.1283,
7.0299

280.8034,

 1.1266, 0.0019,

243.3022, 383.7821

3.4021

334.5159,
293.1485, 452.7651

■ 0.0472, 0.0000,
1.3034

■ 0.0000, 0.0000,
0.0646

■ 54.6321, 40.7743,
84.3477

■ 54.6321, 40.7743,
84.3477

■ 50.3521, 33.8965,
83.2463

■ 59.6839, 49.1554,
85.6998

■ 46.7922, 28.4220,
82.3773


■ 65.5466, 59.1210,
87.3143


■ 43.9008, 24.2470,
81.7238


■ 72.2617, 70.7527,
89.2055


■ 41.6177, 21.2508,
81.2658


■ 79.8665, 84.1248,
91.3858


 39.8709, 19.2902,
80.9795


 86.7784, 96.0719,
93.3275


 38.5408, 18.1260,
80.8249

 88.0690, 96.7373,
93.3879

 38.5193, 18.1084,
80.8226

 89.3864, 97.4164,
93.4496

 90.7306, 98.1094,
93.5125

 92.1018, 98.8163,
93.5767

Harmonies

Analogous

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



45.8070, 40.7743, 111.2238



54.6321, 40.7743, 84.3477



59.3610, 40.7743, 52.1319

Triad

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



54.6321, 40.7743, 84.3477



41.3692, 40.7743, 10.4884



24.3706, 40.7743, 66.3435

Complementary

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



54.6321, 40.7743, 84.3477



48.7840, 69.1130, 36.3621

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.



23.5721, 40.7743, 37.4665



54.6321, 40.7743, 84.3477



32.4662, 40.7743, 11.7390

Square

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



54.6321, 40.7743, 84.3477



50.9402, 40.7743, 15.0227



26.2967, 40.7743, 19.6017



28.6862, 40.7743, 98.2513

Rectangle

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



54.6321, 40.7743, 84.3477



59.1010, 40.7743, 34.6945



26.2967, 40.7743, 19.6017



23.7131, 40.7743, 55.7565

Sweetspot

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



54.6335, 40.7761, 84.3486



84.2796, 81.0922, 105.8181



38.4674, 36.1490, 84.3075



17.8084, 16.9557, 22.5841



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.



54.6335, 40.7761, 84.3486



60.7987, 41.6277, 99.4383



55.2456, 41.5723, 62.6607



15.4651, 15.1850, 19.0382



21.3244, 10.0290, 44.5548



1.7377, 0.8201, 3.5016

Inverse Universe

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



50.3522, 39.6149, 36.8927



55.2512, 40.1970, 34.6091



48.7273, 68.7728, 50.4126



15.1635, 15.0932, 16.1462



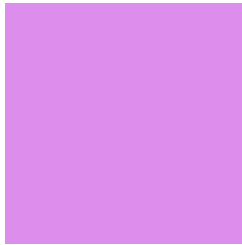
19.2882, 9.9180, 2.0531



1.5441, 0.7906, 0.3166

Previews

White Background



This preview shows how the XYZ color 54.6321, 40.7743, 84.3477 looks on a white background.

Color Contrast Check

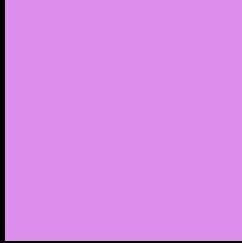
Large Text (above 18pt) WCAG AA × Fail

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 54.6321, 40.7743, 84.3477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

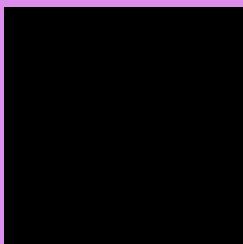
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.6321, 40.7743, 84.3477

Background



This preview shows how black text looks on a background with the XYZ color 54.6321, 40.7743, 84.3477.



This preview shows how white text looks on a background with the XYZ color 54.6321, 40.7743,

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

54.6321, 40.7743, 84.3477

Protanopia

43.3933, 41.3467, 100.3014

Deuteranopia

42.1293, 41.1140, 81.3166



Tritanopia

46.1077, 40.6011, 42.4524

Trichromacy



Original Color

54.6321, 40.7743, 84.3477



Protanomaly

46.1360, 40.2315, 94.1408



Deuteranomaly

45.6965, 40.2632, 82.4539



Tritanomaly

48.7166, 40.4305, 55.6883

Monochromacy



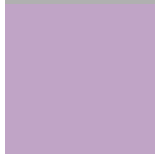
Original Color

54.6321, 40.7743, 84.3477



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

45.2067, 41.8346, 59.1183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.6321, 40.7743, 84.3477 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(221, 142, 236)` looks like.

```
.text, #text, p{  
    color:rgb(221, 142, 236)  
}
```

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(221, 142, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 142, 236) }
```

Border

The CSS property to change the border of an element to XYZ 54.6321, 40.7743, 84.3477 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(221, 142, 236) }
```


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

```
.border{ border-color:rgb(221, 142, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 142, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 142, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 142, 236);  
box-shadow:4px 4px 4px 4px rgb(221, 142,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 54.6321, 40.7743, 84.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 142, 236) }
```

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

```
.background{ background-color: rgb(221,  
142, 236) }
```

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