

Converting Colors

XYZ(52.4616, 34.0957, 88.0238)

Have a look what the booklet for
XYZ(52.4616, 34.0957, 88.0238)
contains.

XYZ(52.4758, 34.1334, 87.8270)	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(52.4758, 34.1334,
87.8270)**

Conversions

Conversions Part 1

Format	Color
Hex	DF72F2
RGB	223, 114, 242
RGB Percent	87%, 45%, 95%
CMY	0.1255, 0.5529, 0.0510
CMYK	0.08, 0.53, 0.00, 0.05
HSL	291°, 83%, 70%
HSV	291°, 53%, 95%
XYZ	52.4758, 34.1334, 87.8270
YIQ	161.1830, 23.8760, 62.9160

Conversions

Conversions Part 2

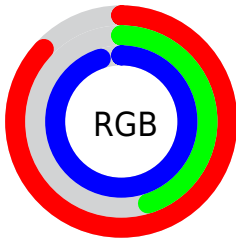
Format	Color
R _{YB}	223, 114, 242
Decimal	14643954
CIE _{Lab}	65.07, 60.75, -46.40
CIE _{LCh}	65, 76.444, 322.627
Y _{xy}	34.1334, 0.3008, 0.1957
Android (android.graphics.Color)	4292834034 (0xFFDF72F2)
YUV	161.1830, 39.8428, 54.2135
Hunter-Lab	58.4238, 58.0857, -48.2325

Details

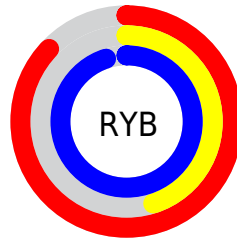
The XYZ color **52.4758, 34.1334, 87.8270** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **44.4632, 69.7065, 27.0323**, and the grayscale version is **33.7754, 35.5343, 38.6969**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **25.7871, 14.5282, 47.3440** is the 20% darker color. If you saturate the color by 10%, you get **49.0038, 28.8140, 86.9838**, and if you desaturate by 10%, it is **56.6957, 40.9116, 88.9134**.

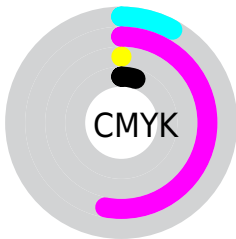
Distribution



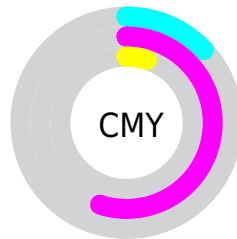
- Red (87%)
- Green (45%)
- Blue (95%)



- Red (87%)
- Yellow (45%)
- Blue (95%)



- Cyan (8%)
- Magenta (53%)
- Yellow (0%)
- Black (5%)





- Cyan (13%)
- Magenta (55%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4758, 34.1334, 87.8270 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 52.4758, 34.1334, 87.8270 by changing the saturation by 10% instead.

 52.4758, 34.1334,
87.8270

 52.4758, 34.1334,
87.8270


386.5646,
320.7265, 541.3231


 37.6103, 22.9961,
65.6163


 93.0026, 66.1411,
146.2253

 25.8562, 14.5906,
47.5065


 119.3947, 87.7802,
183.2500

 16.8482, 8.5326,
33.0790


 150.3596,
113.6888, 226.0497

 10.2209, 4.4376,
21.9154

186.2627,
144.2511, 275.0430

 5.6091, 1.9212,
13.5970

227.4694,
179.8517, 330.6485

 2.6473, 0.5611,
7.7054

274.3450,

 0.9701, 0.0000,

220.8748, 393.2846

3.8220

327.2550,
267.7050, 463.3700

■ 0.0000, 0.0000,
1.5282

■ 0.0000, 0.0000,
0.2388

■ 52.4758, 34.1334,
87.8270

■ 52.4758, 34.1334,
87.8270

■ 49.0038, 28.8140,
86.9838

■ 56.6957, 40.9116,
88.9134

■ 46.2175, 24.8325,
86.3621

■ 61.7118, 49.2482,
90.2582

■ 44.0507, 22.0555,
85.9403

■ 67.5727, 59.2390,
91.8777

■ 42.4218, 20.3201,
85.6912

■ 74.3218, 70.9709,
93.7865

41.5030, 19.5442,
85.5898

81.9996, 84.5246,
95.9979

89.2880, 97.2632,
98.0726

90.5504, 97.9141,
98.1317

91.8373, 98.5775,
98.1919

93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



41.3433, 34.1334, 126.6453



52.4758, 34.1334, 87.8270



58.4713, 34.1334, 45.5526

Triad

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



52.4758, 34.1334, 87.8270



35.2525, 34.1334, 3.5614



16.4910, 34.1334, 65.9087

Complementary

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



52.4758, 34.1334, 87.8270



44.4632, 69.7065, 27.0323

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.



15.5767, 34.1334, 29.8767



52.4758, 34.1334, 87.8270



24.9212, 34.1334, 4.5128

Square

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



52.4758, 34.1334, 87.8270



47.1592, 34.1334, 6.7163



18.2932, 34.1334, 11.0794



21.1588, 34.1334, 109.7391

Rectangle

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



52.4758, 34.1334, 87.8270



57.9708, 34.1334, 25.3654



18.2932, 34.1334, 11.0794



15.7855, 34.1334, 52.1530

Sweetspot

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



52.4771, 34.1349, 87.8277



81.1942, 75.5439, 104.9098



31.3827, 26.8196, 87.5275



17.0394, 15.5786, 22.3588



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.



52.4771, 34.1349, 87.8277



55.0889, 32.3025, 97.9392



52.7372, 34.9536, 56.9120



16.2103, 15.9056, 19.9373



22.3876, 10.5467, 45.9836



1.9245, 0.9094, 3.8283

Inverse Universe

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



46.8699, 32.6066, 26.0149



48.5555, 30.6405, 20.5555



44.9333, 69.5787, 43.7733



15.8684, 15.7971, 16.8632



19.8722, 10.2213, 1.9778



1.6821, 0.8619, 0.3168

Previews

White Background



This preview shows how the XYZ color 52.4758, 34.1334, 87.8270 looks on a white background.

Color Contrast Check

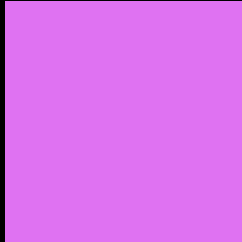
Large Text (above 18pt) WCAG AA × Fail

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 52.4758, 34.1334, 87.8270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

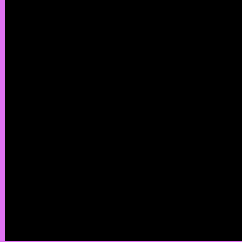
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.4758, 34.1334, 87.8270

Background



This preview shows how black text looks on a background with the XYZ color 52.4758, 34.1334, 87.8270.



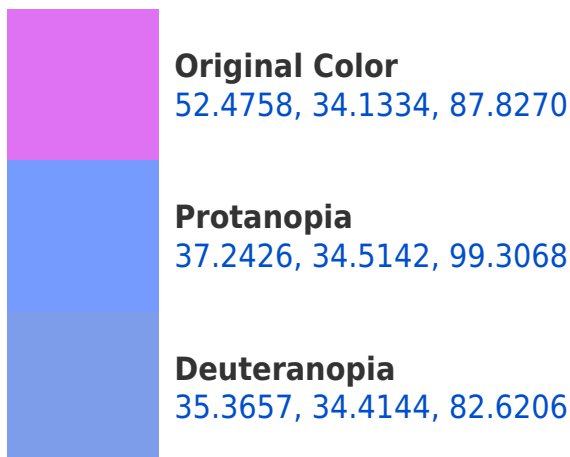
This preview shows how white text looks on a background with the XYZ color 52.4758, 34.1334,

87.8270.

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





Tritanopia

41.0121, 34.0167, 32.4213

Trichromacy



Original Color

52.4758, 34.1334, 87.8270



Protanomaly

40.3437, 32.7262, 94.6329



Deuteranomaly

39.5089, 32.7412, 84.3581



Tritanomaly

44.3181, 33.5250, 48.3911

Monochromacy



Original Color

52.4758, 34.1334, 87.8270



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

39.0347, 33.8546, 53.1924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4758, 34.1334, 87.8270 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(223, 114, 242)` looks like.

```
.text, #text, p{  
    color:rgb(223, 114, 242)  
}
```

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(223, 114, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 114, 242) }
```

Border

The CSS property to change the border of an element to XYZ 52.4758, 34.1334, 87.8270 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(223, 114, 242) }
```


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

```
.border{ border-color:rgb(223, 114, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 114, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 114, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 114, 242);  
box-shadow:4px 4px 4px 4px rgb(223, 114,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4758, 34.1334, 87.8270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 114, 242) }
```

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

```
.background{ background-color: rgb(223,  
114, 242) }
```

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