

Converting Colors

XYZ(64.6643, 40.1460,
135.6289)

Have a look what the booklet for
XYZ(64.6643, 40.1460, 135.6289)
contains.

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Color

**XYZ(57.4834, 37.1658,
98.7517)**

Conversions

Conversions Part 1

Format	Color
Hex	E776FF
RGB	231, 118, 255
RGB Percent	91%, 46%, 100%
CMY	0.0941, 0.5372, 0.0000
CMYK	0.09, 0.54, 0.00, 0.00
HSL	289°, 100%, 73%
HSV	289°, 54%, 100%
XYZ	57.4834, 37.1658, 98.7517
YIQ	167.4050, 23.3710, 66.5630

Conversions

Conversions Part 2

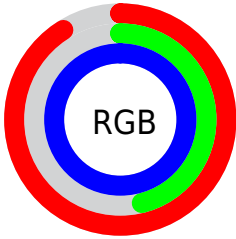
Format	Color
R_{YB}	231, 118, 255
Decimal	15169279
CIE _{Lab}	67.40, 63.35, -49.80
CIE _{LCh}	67, 80.578, 321.828
Yxy	37.1658, 0.2972, 0.1922
Android (android.graphics.Color)	4293359359 (0xFFE776FF)
YUV	167.4050, 43.1843, 55.7728
Hunter-Lab	60.9638, 61.6230, -53.3658

Details

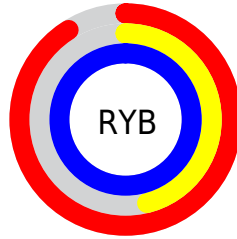
The XYZ color **57.4834, 37.1658, 98.7517** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **50.1862, 78.5792, 29.6634**, and the grayscale version is **36.7173, 38.6295, 42.0675**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **29.1492, 16.4067, 55.0566** is the 20% darker color. If you saturate the color by 10%, you get **53.4531, 31.2175, 97.8160**, and if you desaturate by 10%, it is **62.3645, 44.7591, 99.9601**.

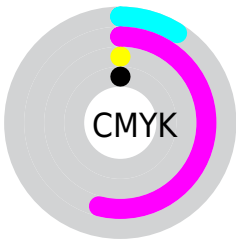
Distribution



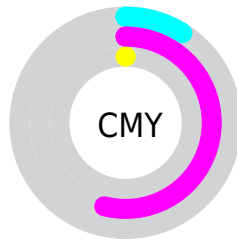
- Red (91%)
- Green (46%)
- Blue (100%)



- Red (91%)
- Yellow (46%)
- Blue (100%)



- Cyan (9%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.4834, 37.1658, 98.7517 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 57.4834, 37.1658, 98.7517 by changing the saturation by 10% instead.


 57.4834, 37.1658,
98.7517


 57.4834, 37.1658,
98.7517


405.2432,
334.0278, 577.3955

 41.6351, 25.3359,
74.6474


 100.2975, 70.8277,
161.4776

 29.0055, 16.3275,
54.8241


 127.9940, 93.4285,
200.9362

 19.2293, 9.7562,
38.8632


 160.3706,
120.3884, 246.3500

 11.9411, 5.2376,
26.3463

197.7928,
152.0917, 298.1375

 6.7755, 2.3873,
16.8548

240.6257,
188.9229, 356.7172

 3.3672, 0.8194,
9.9702

289.2349,

 1.3508, 0.0000,

231.2664, 422.5078

5.2738

343.9856,
279.5066, 495.9277

■ 0.2207, 0.0000,
2.3473

■ 0.0000, 0.0000,
0.7575

■ 57.4834, 37.1658,
98.7517

■ 57.4834, 37.1658,
98.7517

■ 53.4531, 31.2175,
97.8160

■ 62.3645, 44.7591,
99.9601

■ 50.2025, 26.7753,
97.1299

■ 68.1524, 54.1119,
101.4604

■ 47.6548, 23.6851,
96.6677

■ 74.9026, 65.3341,
103.2707

■ 45.7149, 21.7569,
96.3978

■ 82.6651, 78.5249,
105.4077

■ 44.7225, 20.9702,
96.2983

■ 91.4862, 93.7768,
107.8866

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



44.9139, 37.1658, 142.1658



57.4834, 37.1658, 98.7517



64.4402, 37.1658, 50.9274

Triad

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



57.4834, 37.1658, 98.7517



38.8100, 37.1658, 3.5738



17.5442, 37.1658, 71.3990

Complementary

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



57.4834, 37.1658, 98.7517



50.1862, 78.5792, 29.6634

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.



16.6432, 37.1658, 31.5474



57.4834, 37.1658, 98.7517



27.2083, 37.1658, 4.4701

Square

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



57.4834, 37.1658, 98.7517



52.1328, 37.1658, 7.0862



19.7480, 37.1658, 11.3033



22.5844, 37.1658, 120.9701

Rectangle

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



57.4834, 37.1658, 98.7517



64.0481, 37.1658, 28.0629



19.7480, 37.1658, 11.3033



16.8031, 37.1658, 56.0751

Sweetspot

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



57.4847, 37.1673, 98.7520



80.8065, 75.3440, 104.8916



35.3625, 30.7532, 98.6799



16.9462, 15.5306, 22.3545



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.



57.4847, 37.1673, 98.7520



53.3531, 31.0750, 97.7938



59.5546, 38.9523, 66.4149



18.4621, 18.1300, 22.7763



23.4825, 11.0162, 50.3232



2.3647, 1.1129, 4.9035

Inverse Universe

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



52.6018, 36.1712, 29.8018



48.4636, 30.2452, 21.1768



49.6991, 77.9588, 46.3255



18.1392, 18.0390, 19.3504



21.8304, 11.2214, 2.4914



2.1595, 1.1062, 0.4214

Previews

White Background



This preview shows how the XYZ color 57.4834, 37.1658, 98.7517 looks on a white background.

Color Contrast Check

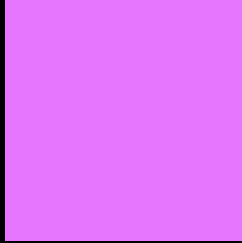
Large Text (above 18pt) WCAG AA × Fail

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 57.4834, 37.1658, 98.7517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

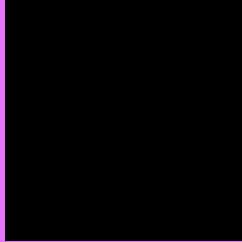
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.4834, 37.1658, 98.7517

Background



This preview shows how black text looks on a background with the XYZ color 57.4834, 37.1658, 98.7517.



This preview shows how white text looks on a background with the XYZ color 57.4834, 37.1658,

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

57.4834, 37.1658, 98.7517

Protanopia

40.0236, 37.7278, 99.7805

Deuteranopia

38.6681, 37.7019, 93.2349



Tritanopia

44.5049, 37.0648, 35.8189

Trichromacy



Original Color

57.4834, 37.1658, 98.7517



Protanomaly

44.0548, 35.8848, 99.2123



Deuteranomaly

42.9989, 35.6621, 95.0597

Tritanomaly

48.1921, 36.6191, 53.8184

Monochromacy



Original Color

57.4834, 37.1658, 98.7517



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

42.2915, 36.5656, 58.8617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.4834, 37.1658, 98.7517 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(231, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 118, 255)  
}
```

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(231, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 118, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.4834, 37.1658, 98.7517 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(231, 118, 255) }
```


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

```
.border{ border-color:rgb(231, 118, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 118,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.4834, 37.1658, 98.7517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 118, 255) }
```

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

```
.background{ background-color: rgb(231,  
118, 255) }
```

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](#).

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