

Converting Colors

XYZ(52.1263, 28.4870,
136.7283)

Have a look what the booklet for
XYZ(52.1263, 28.4870, 136.7283)
contains.

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Color

**XYZ(44.6964, 25.5486,
97.1834)**

Conversions

Conversions Part 1

Format	Color
Hex	C753FF
RGB	199, 83, 255
RGB Percent	78%, 33%, 100%
CMY	0.2196, 0.6745, 0.0000
CMYK	0.22, 0.67, 0.00, 0.00
HSL	280°, 100%, 66%
HSV	280°, 67%, 100%
XYZ	44.6964, 25.5486, 97.1834
YIQ	137.2920, 13.9240, 78.0840

Conversions

Conversions Part 2

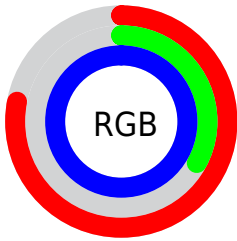
Format	Color
R _{YB}	199, 83, 255
Decimal	13063167
CIE _{Lab}	57.61, 71.55, -65.66
CIE _{LCh}	58, 97.111, 317.460
Yxy	25.5486, 0.2670, 0.1526
Android (android.graphics.Color)	4291253247 (0xFFC753FF)
YUV	137.2920, 58.0300, 54.1179
Hunter-Lab	50.5456, 69.3888, -78.6142

Details

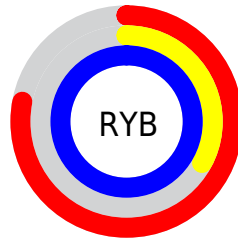
The XYZ color **44.6964, 25.5486, 97.1834** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **47.9691, 77.6336, 20.6409**, and the grayscale version is **23.6730, 24.9058, 27.1225**.

A 20% lighter version of the original color is **68.6681, 47.2362, 100.1060**, and **21.0129, 9.8460, 53.6163** is the 20% darker color. If you saturate the color by 10%, you get **40.9488, 21.2339, 96.5481**, and if you desaturate by 10%, it is **49.2832, 31.3610, 98.0635**.

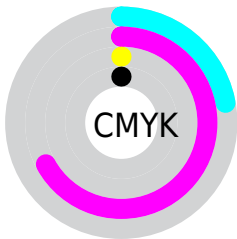
Distribution



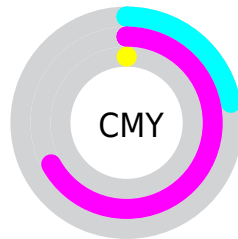
- Red (78%)
- Green (33%)
- Blue (100%)



- Red (78%)
- Yellow (33%)
- Blue (100%)



- Cyan (22%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.6964, 25.5486, 97.1834 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 44.6964, 25.5486, 97.1834 by changing the saturation by 10% instead.


 44.6964, 25.5486,
97.1834


 44.6964, 25.5486,
97.1834

356.3470,
280.5591, 572.2935


 31.4186, 16.4863,
73.3467


 81.5045, 52.5458,
159.2991

 21.0712, 9.8689,
53.7659


 105.7656, 71.2495,
198.4151

 13.2888, 5.3121,
38.0226


 134.4184, 93.9357,
243.4612

 7.7061, 2.4315,
25.6983

 167.8284,
120.9889, 294.8561

 3.9577, 0.8420,
16.3743

206.3609,
152.7934, 353.0182

 1.6782, 0.0000,
9.6322

250.3813,

 0.4426, 0.0000,

189.7337, 418.3661

5.0534

300.2548,
232.1941, 491.3184

■ 0.0000, 0.0000,
2.2193

■ 0.0000, 0.0000,
0.6855

■ 44.6964, 25.5486,
97.1834

■ 44.6964, 25.5486,
97.1834

■ 40.9488, 21.2339,
96.5481

■ 49.2832, 31.3610,
98.0635

■ 37.9523, 18.2469,
96.1294

■ 54.7785, 38.8103,
99.2117

■ 35.5976, 16.3709,
95.8914

■ 61.2472, 48.0226,
100.6490

■ 35.0586, 15.9883,
95.8460

■ 68.7470, 59.1106,
102.3939

■ 77.3308, 72.1775,
104.4636

■ 87.0476, 87.3188,
106.8741

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.



31.6069, 25.5486, 144.0224



44.6964, 25.5486, 97.1834



53.2004, 25.5486, 44.1142

Triad

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



44.6964, 25.5486, 97.1834



29.4533, 25.5486, 0.3165



8.6187, 25.5486, 51.7150

Complementary

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



44.6964, 25.5486, 97.1834



47.9691, 77.6336, 20.6409

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.



8.3727, 25.5486, 16.1290



44.6964, 25.5486, 97.1834



18.1884, 25.5486, 0.4673

Square

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



44.6964, 25.5486, 97.1834



42.6940, 25.5486, 2.3086



11.2805, 25.5486, 3.1275



12.1121, 25.5486, 106.3854

Rectangle

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



44.6964, 25.5486, 97.1834



53.7813, 25.5486, 20.3230



11.2805, 25.5486, 3.1275



8.2051, 25.5486, 36.9607

Sweetspot

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



44.6974, 25.5496, 97.1835



75.0358, 68.6515, 103.9040



31.0448, 27.9136, 98.3594



15.5375, 13.8955, 22.1131



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.



44.6974, 25.5496, 97.1835



39.8037, 20.0309, 96.3762



58.1069, 32.9564, 75.4906



18.1841, 17.9866, 22.7633



18.4824, 8.4385, 50.0892



1.9144, 0.8808, 4.8824

Inverse Universe

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



48.9938, 29.3112, 27.5018



45.4502, 24.6648, 18.7960



42.2339, 74.5217, 27.3912



18.2532, 18.0846, 19.9502



22.4256, 11.4595, 5.6257



2.2312, 1.1349, 0.7991

Previews

White Background



This preview shows how the XYZ color 44.6964, 25.5486, 97.1834 looks on a white background.

Color Contrast Check

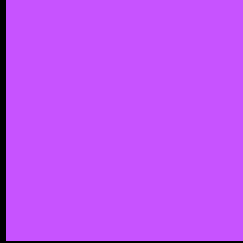
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.6964, 25.5486, 97.1834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

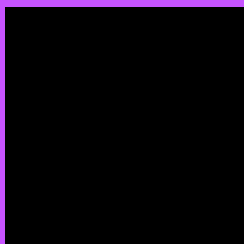
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.6964, 25.5486, 97.1834

Background



This preview shows how black text looks on a background with the XYZ color 44.6964, 25.5486, 97.1834.



This preview shows how white text looks on a background with the XYZ color 44.6964, 25.5486,

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

44.6964, 25.5486, 97.1834

Protanopia

29.6156, 26.0438, 98.0738

Deuteranopia

26.7894, 25.8457, 89.1647



Tritanopia

29.9468, 25.2883, 25.1326

Trichromacy



Original Color

44.6964, 25.5486, 97.1834



Protanomaly

32.0411, 23.7039, 97.4943



Deuteranomaly

28.9069, 22.7377, 91.6722



Tritanomaly

33.7919, 24.4642, 44.5360

Monochromacy



Original Color

44.6964, 25.5486, 97.1834



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

29.0967, 23.4915, 46.1808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6964, 25.5486, 97.1834 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(199, 83, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 83, 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(199, 83, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 83, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.6964, 25.5486, 97.1834 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(199, 83, 255) }
```


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

```
.border{ border-color:rgb(199, 83, 255) }
```

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

Here you see how a box with a 4 pixel rgb(199, 83, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 83, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 83, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 83,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6964, 25.5486, 97.1834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 83, 255) }
```

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

```
.background{ background-color: rgb(199, 83,  
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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