

Converting Colors

XYZ(37.1575, 21.3094, 78.4986)

Have a look what the booklet for
XYZ(37.1575, 21.3094, 78.4986)
contains.

XYZ(37.1575, 21.3094, 78.4986)	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(37.1575, 21.3094,
78.4986)**

Conversions

Conversions Part 1

Format	Color
Hex	B94CE8
RGB	185, 76, 232
RGB Percent	73%, 30%, 91%
CMY	0.2745, 0.7019, 0.0902
CMYK	0.20, 0.67, 0.00, 0.09
HSL	282°, 77%, 60%
HSV	282°, 67%, 91%
XYZ	37.1575, 21.3094, 78.4986
YIQ	126.3750, 14.8880, 71.6240

Conversions

Conversions Part 2

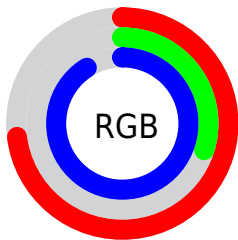
Format	Color
R_{YB}	185, 76, 232
Decimal	12143848
CIE _{Lab}	53.29, 66.95, -59.88
CIE _{LCh}	53, 89.819, 318.193
Yxy	21.3094, 0.2713, 0.1556
Android (android.graphics.Color)	4290333928 (0xFFB94CE8)
YUV	126.3750, 52.0731, 51.4141
Hunter-Lab	46.1621, 62.8972, -68.5091

Details

The XYZ color **37.1575, 21.3094, 78.4986** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **38.3301, 62.4464, 16.8714**, and the grayscale version is **19.7844, 20.8148, 22.6673**.

A 20% lighter version of the original color is **63.6095, 42.9556, 99.5464**, and **16.5011, 7.6289, 41.1603** is the 20% darker color. If you saturate the color by 10%, you get **34.1928, 17.8211, 77.9819**, and if you desaturate by 10%, it is **40.7830, 25.9940, 79.2121**.

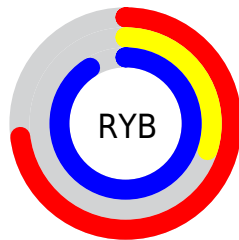
Distribution



Red (73%)

Green (30%)

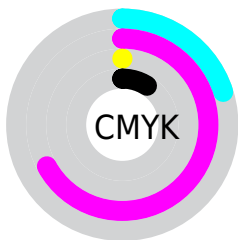
Blue (91%)



Red (73%)

Yellow (30%)

Blue (91%)

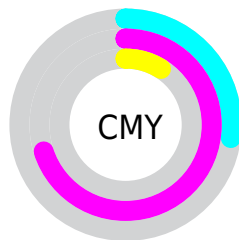


Cyan (20%)

Magenta (67%)

Yellow (0%)

Black (9%)



Cyan (27%)


Magenta (70%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1575, 21.3094, 78.4986 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 37.1575, 21.3094, 78.4986 by changing the saturation by 10% instead.


 37.1575, 21.3094,
78.4986


 37.1575, 21.3094,
78.4986


325.3356,
258.9182, 509.4312


 25.5037, 13.3504,
57.9648


 70.1272, 45.6019,
133.0450


 16.5834, 7.6702,
41.3658

 92.1738, 62.7041,
167.8947

 10.0314, 3.8847,
28.2832


 118.4154, 83.6229,
208.3534

 5.4822, 1.6093,
18.2983

 149.2174,
108.7426, 254.8396

 2.5705, 0.3638,
10.9927

 184.9450,
138.4475, 307.7720

 0.9309, 0.0000,
5.9478

225.9637,

 0.0000, 0.0000,

173.1222, 367.5690

2.7451

272.6388,
213.1510, 434.6493

■ 0.0000, 0.0000,
0.9660

■ 0.0000, 0.0000,
0.0000

■ 37.1575, 21.3094,
78.4986

■ 37.1575, 21.3094,
78.4986

■ 34.1928, 17.8211,
77.9819

■ 40.7830, 25.9940,
79.2121

■ 31.8195, 15.3954,
77.6388

■ 45.1231, 31.9843,
80.1396

■ 29.9518, 13.8613,
77.4411

■ 50.2291, 39.3799,
81.2980

■ 29.4870, 13.5185,
77.3995

■ 56.1464, 48.2696,
82.7020

62.9164, 58.7353,
84.3653

70.5777, 70.8524,
86.3003

79.1666, 84.6916,
88.5188

86.5737, 96.0328,
90.3175

89.0047, 97.2861,
90.4313

Harmonies

Analogous

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



26.5122, 21.3094, 116.8925



37.1575, 21.3094, 78.4986



43.9243, 21.3094, 35.6426

Triad

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



37.1575, 21.3094, 78.4986



24.2278, 21.3094, 0.2764



7.3811, 21.3094, 43.6794

Complementary

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



37.1575, 21.3094, 78.4986



38.3301, 62.4464, 16.8714

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.



7.1155, 21.3094, 14.0568



37.1575, 21.3094, 78.4986



15.0672, 21.3094, 0.4575

Square

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



37.1575, 21.3094, 78.4986



35.0414, 21.3094, 1.9704



9.4578, 21.3094, 2.8792



10.3511, 21.3094, 88.1623

Rectangle

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



37.1575, 21.3094, 78.4986



44.2604, 21.3094, 16.5143



9.4578, 21.3094, 2.8792



7.0163, 21.3094, 31.4889

Sweetspot

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



37.1584, 21.3102, 78.4991



75.4542, 68.8672, 103.9236



24.9311, 22.1323, 79.3022



15.6383, 13.9475, 22.1179



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.



37.1584, 21.3102, 78.4991



41.0595, 20.6783, 96.4350



46.6909, 26.6563, 59.4351



14.5502, 14.3859, 18.1542



16.5031, 7.5736, 42.9752



1.3124, 0.6075, 3.1801

Inverse Universe

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



39.4389, 23.7554, 21.2462



45.1670, 24.5515, 17.3047



34.3670, 60.2619, 23.0784



14.5548, 14.4391, 15.8561



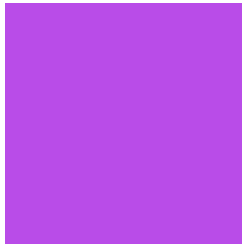
19.1357, 9.7885, 4.3435



1.4541, 0.7393, 0.5318

Previews

White Background



This preview shows how the XYZ color 37.1575, 21.3094, 78.4986 looks on a white background.

Color Contrast Check

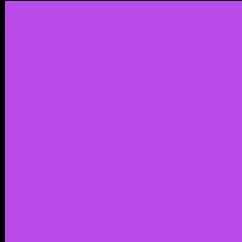
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.1575, 21.3094, 78.4986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

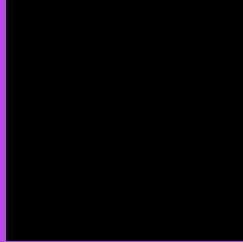
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.1575, 21.3094, 78.4986

Background



This preview shows how black text looks on a background with the XYZ color 37.1575, 21.3094, 78.4986.



This preview shows how white text looks on a background with the XYZ color 37.1575, 21.3094,

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

37.1575, 21.3094, 78.4986

Protanopia

25.8605, 21.7610, 97.4450

Deuteranopia

22.3505, 21.6526, 72.1086



Tritanopia

25.3328, 21.2692, 20.5395

Trichromacy



Original Color

37.1575, 21.3094, 78.4986



Protanomaly

26.1590, 19.1971, 90.3224



Deuteranomaly

24.4490, 19.2955, 74.3873



Tritanomaly

28.3504, 20.4956, 36.1800

Monochromacy



Original Color

37.1575, 21.3094, 78.4986



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

24.1867, 19.6448, 38.1144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1575, 21.3094, 78.4986 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(185, 76, 232)` looks like.

```
.text, #text, p{  
    color:rgb(185, 76, 232)  
}
```

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(185, 76, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 76, 232) }
```

Border

The CSS property to change the border of an element to XYZ 37.1575, 21.3094, 78.4986 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(185, 76, 232) }
```


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

```
.border{ border-color:rgb(185, 76, 232) }
```

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

Here you see how a box with a 4 pixel rgb(185, 76, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 76, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 76, 232);  
box-shadow:4px 4px 4px 4px rgb(185, 76,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1575, 21.3094, 78.4986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 76, 232) }
```

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

```
.background{ background-color: rgb(185, 76,  
232) }
```

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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