

Converting Colors

XYZ(50.7438, 40.9843, 99.8440)

Have a look what the booklet for
XYZ(50.7438, 40.9843, 99.8440)
contains.

XYZ(50.6764, 40.9496, 99.8409)	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(50.6764, 40.9496,
99.8409)**

Conversions

Conversions Part 1

Format	Color
Hex	BE99FF
RGB	190, 153, 255
RGB Percent	75%, 60%, 100%
CMY	0.2549, 0.4000, 0.0000
CMYK	0.25, 0.40, 0.00, 0.00
HSL	262°, 100%, 80%
HSV	262°, 40%, 100%
XYZ	50.6764, 40.9496, 99.8409
YIQ	175.6910, -10.6900, 39.5660

Conversions

Conversions Part 2

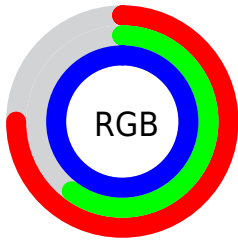
Format	Color
R_{YB}	190, 153, 255
Decimal	12491263
CIE _{Lab}	70.14, 34.14, -45.78
CIE _{LCh}	70, 57.114, 306.713
Y _{xy}	40.9496, 0.2647, 0.2139
Android (android.graphics.Color)	4290681343 (0xFFBE99FF)
YUV	175.6910, 39.0993, 12.5490
Hunter-Lab	63.9919, 29.3718, -47.7107

Details

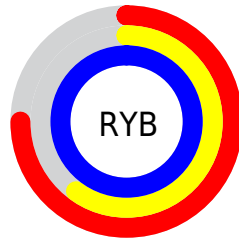
The XYZ color **50.6764, 40.9496, 99.8409** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.4237, 88.7255, 43.5525**, and the grayscale version is **40.9143, 43.0450, 46.8761**.

A 20% lighter version of the original color is **79.3173, 72.2882, 104.3803**, and **24.6782, 18.4529, 55.6872** is the 20% darker color. If you saturate the color by 10%, you get **43.1052, 31.4995, 98.4159**, and if you desaturate by 10%, it is **59.5946, 52.4196, 101.5848**.

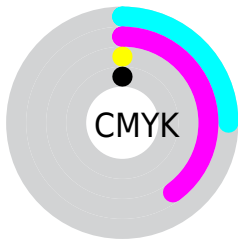
Distribution



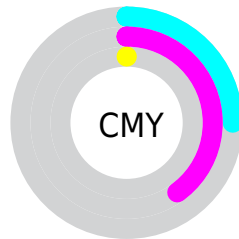
- Red (75%)
- Green (60%)
- Blue (100%)



- Red (75%)
- Yellow (60%)
- Blue (100%)



- Cyan (25%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6764, 40.9496, 99.8409 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 50.6764, 40.9496, 99.8409 by changing the saturation by 10% instead.


 50.6764, 40.9496,
99.8409


 50.6764, 40.9496,
99.8409


379.7136,
350.1099, 580.9248

 36.1711, 28.2797,
75.5515


 90.3621, 76.6074,
162.9885

 24.7371, 18.5366,
55.5604


 116.2732,
100.3641, 202.6838

 16.0090, 11.3359,
39.4489


146.7171,
128.5851, 248.3515

 9.6214, 6.2933,
26.7986

182.0589,
161.6549, 300.4101

 5.2090, 3.0242,
17.1910

222.6641,
199.9579, 359.2782

 2.4064, 1.1444,
10.2073

268.8981,

 0.8483, 0.0156,

243.8785, 425.3743

5.4292

321.1261,
293.8010, 499.1170

■ 0.0000, 0.0000,
2.4381

■ 0.0000, 0.0000,
0.8071

■ 50.6764, 40.9496,
99.8409

■ 50.6764, 40.9496,
99.8409

■ 43.1052, 31.4995,
98.4159

■ 59.5946, 52.4196,
101.5848

■ 36.8047, 23.9423,
97.2892

■ 69.9221, 66.0165,
103.6649

■ 31.6969, 18.1435,
96.4392

■ 81.7219, 81.8453,
106.0983

■ 27.6920, 13.9482,
95.8405

95.0500, 100.0000,
108.9000

■ 24.6849, 11.1726,
95.4632

■ 22.5142, 9.5214,
95.2589

■ 22.5139, 9.5212,
95.2589

Harmonies

Analogous

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



41.0591, 40.9496, 117.6687



50.6764, 40.9496, 99.8409



57.8602, 40.9496, 68.1709

Triad

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



50.6764, 40.9496, 99.8409



46.4625, 40.9496, 12.0629



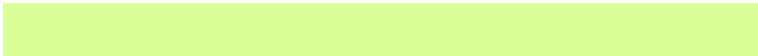
23.6697, 40.9496, 50.8750

Complementary

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



50.6764, 40.9496, 99.8409



70.4237, 88.7255, 43.5525

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.



24.6447, 40.9496, 27.1866



50.6764, 40.9496, 99.8409



36.8592, 40.9496, 10.5278

Square

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



50.6764, 40.9496, 99.8409



55.1681, 40.9496, 20.3639



29.1411, 40.9496, 14.7573



26.2256, 40.9496, 82.9495

Rectangle

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



50.6764, 40.9496, 99.8409



59.7477, 40.9496, 47.6017



29.1411, 40.9496, 14.7573



23.6026, 40.9496, 41.7027

Sweetspot

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



50.6777, 40.9511, 99.8411



79.2396, 78.4940, 105.5822



56.5977, 64.8130, 104.1349



16.6208, 16.3434, 22.5285



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.



50.6777, 40.9511, 99.8411



44.5145, 33.2329, 98.6762



65.2754, 48.4765, 100.5243



17.6250, 17.6984, 22.7371



11.9125, 5.0516, 49.7818



1.2745, 0.5510, 4.8524

Inverse Universe

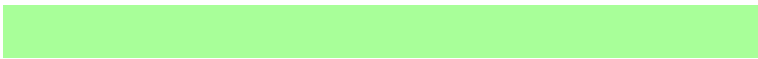
The Inverse Universe completely reimagines the original color for something new.



65.2868, 49.1056, 72.3674



61.2805, 42.6088, 66.3594



57.7231, 82.1782, 42.9582



18.4966, 18.1820, 21.2325



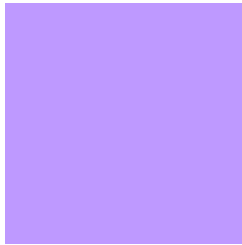
25.0538, 12.5108, 19.4657



2.4918, 1.2391, 2.1715

Previews

White Background



This preview shows how the XYZ color 50.6764, 40.9496, 99.8409 looks on a white background.

Color Contrast Check

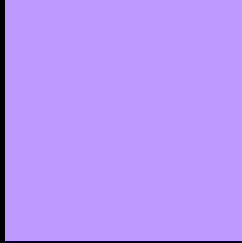
Large Text (above 18pt) WCAG AA × Fail

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 50.6764, 40.9496, 99.8409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

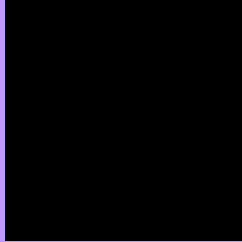
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6764, 40.9496, 99.8409

Background



This preview shows how black text looks on a background with the XYZ color 50.6764, 40.9496, 99.8409.



This preview shows how white text looks on a background with the XYZ color 50.6764, 40.9496,

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

50.6764, 40.9496, 99.8409

Protanopia

43.3933, 41.3467, 100.3014

Deuteranopia

42.2685, 41.1178, 96.9755



Tritanopia

40.7629, 41.1004, 50.0407

Trichromacy



Original Color

50.6764, 40.9496, 99.8409

Protanomaly

45.4453, 40.7853, 100.0849

Deuteranomaly

44.7508, 40.7473, 97.6019

Tritanomaly

43.8972, 40.7429, 65.8721

Monochromacy



Original Color

50.6764, 40.9496, 99.8409

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

44.0781, 42.2368, 63.5870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6764, 40.9496, 99.8409 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(190, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 153, 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(190, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.6764, 40.9496, 99.8409 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(190, 153, 255) }
```


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

```
.border{ border-color:rgb(190, 153, 255) }
```

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

Here you see how a box with a 4 pixel rgb(190, 153, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6764, 40.9496, 99.8409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 153, 255) }
```

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

```
.background{ background-color: rgb(190,  
153, 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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