

Converting Colors

XYZ(74.6278, 47.0612,
236.6991)

Have a look what the booklet for
XYZ(74.6278, 47.0612, 236.6991)
contains.

XYZ(48.5178, 36.6324, 99.1213)	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(48.5178, 36.6324,
99.1213)**

Conversions

Conversions Part 1

Format	Color
Hex	BE8BFF
RGB	190, 139, 255
RGB Percent	75%, 55%, 100%
CMY	0.2549, 0.4549, 0.0000
CMYK	0.25, 0.45, 0.00, 0.00
HSL	266°, 100%, 77%
HSV	266°, 45%, 100%
XYZ	48.5178, 36.6324, 99.1213
YIQ	167.4730, -6.8400, 46.8880

Conversions

Conversions Part 2

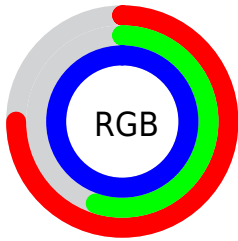
Format	Color
R _Y B	190, 139, 255
Decimal	12487679
CIE Lab	67.00, 41.84, -50.73
CIE LCh	67, 65.758, 309.513
Yxy	36.6324, 0.2633, 0.1988
Android (android.graphics.Color)	4290677759 (0xFFBE8BFF)
YUV	167.4730, 43.1508, 19.7562
Hunter-Lab	60.5247, 37.1709, -54.7319

Details

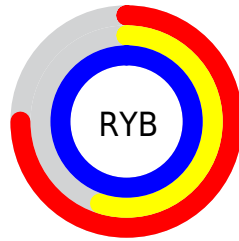
The XYZ color **48.5178, 36.6324, 99.1213** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.3224, 86.2216, 37.6270**, and the grayscale version is **36.7608, 38.6752, 42.1173**.

A 20% lighter version of the original color is **75.8314, 65.3164, 103.2183**, and **23.5143, 16.1250, 55.2992** is the 20% darker color. If you saturate the color by 10%, you get **41.8514, 28.3398, 97.8720**, and if you desaturate by 10%, it is **56.3976, 46.8301, 100.6744**.

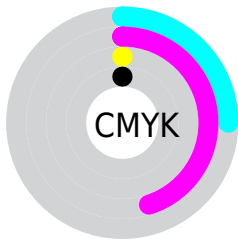
Distribution



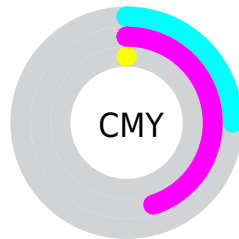
- Red (75%)
- Green (55%)
- Blue (100%)



- Red (75%)
- Yellow (55%)
- Blue (100%)



- Cyan (25%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5178, 36.6324, 99.1213 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 48.5178, 36.6324, 99.1213 by changing the saturation by 10% instead.


 48.5178, 36.6324,
99.1213

 48.5178, 36.6324,
99.1213


371.3894,
331.7163, 578.5944


 34.4501, 24.9230,
74.9541


 87.1799, 70.0071,
161.9905

 23.4041, 16.0197,
55.0738


 112.5050, 92.4411,
201.5295

 15.0145, 9.5381,
39.0618


 142.3132,
119.2188, 247.0296

 8.9160, 5.0938,
26.4996

176.9700,
150.7246, 298.9092

 4.7431, 2.3024,
16.9687

216.8407,
187.3428, 357.5870

 2.1305, 0.7750,
10.0504

262.2905,

 0.7057, 0.0000,

229.4579, 423.4814

5.3264

313.6850,
277.4543, 497.0110

■ 0.0000, 0.0000,
2.3779

■ 0.0000, 0.0000,
0.7744

■ 48.5178, 36.6324,
99.1213

■ 48.5178, 36.6324,
99.1213

■ 41.8514, 28.3398,
97.8720

■ 56.3976, 46.8301,
100.6744

■ 36.3239, 21.8214,
96.9052

■ 65.5515, 59.0434,
102.5493

■ 31.8574, 16.9360,
96.1976

■ 76.0403, 73.3792,
104.7636

■ 28.3607, 13.5176,
95.7221

■ 87.9196, 89.9354,
107.3332

■ 25.7231, 11.3620, 95.0500, 100.0000,
95.4451 108.9000

■ 24.7467, 10.6723,
95.3634

Harmonies

Analogous

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



38.0885, 36.6324, 122.4040



48.5178, 36.6324, 99.1213



56.0772, 36.6324, 62.3918

Triad

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



48.5178, 36.6324, 99.1213



41.9791, 36.6324, 7.3692



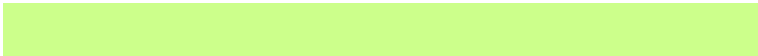
19.1080, 36.6324, 49.6816

Complementary

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



48.5178, 36.6324, 99.1213



65.3224, 86.2216, 37.6270

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.



19.7520, 36.6324, 23.5711



48.5178, 36.6324, 99.1213



31.7403, 36.6324, 6.5212

Square

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



48.5178, 36.6324, 99.1213



51.8294, 36.6324, 14.1335



23.9753, 36.6324, 10.7277



22.0073, 36.6324, 86.0959

Rectangle

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



48.5178, 36.6324, 99.1213



57.7613, 36.6324, 40.3556



23.9753, 36.6324, 10.7277



18.9320, 36.6324, 39.4210

Sweetspot

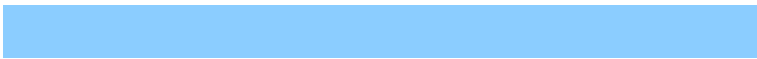
The Sweet Spot groups the original color and five complimentary colors.



48.5191, 36.6338, 99.1215



77.7195, 75.7012, 105.1233



50.4660, 56.2452, 102.8043



16.1164, 15.4863, 22.3897



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.



48.5191, 36.6338, 99.1215



42.1503, 28.7028, 97.9264



65.7351, 45.5090, 99.9272



17.7609, 17.7685, 22.7435



13.0954, 5.6614, 49.8371



1.3980, 0.6146, 4.8582

Inverse Universe

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



61.3723, 44.0859, 62.4018



57.0056, 37.3298, 54.8503



52.4059, 79.5629, 37.0225



18.4356, 18.1576, 20.9111



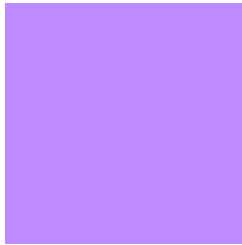
24.2113, 12.1738, 15.0290



2.4123, 1.2073, 1.7527

Previews

White Background



This preview shows how the XYZ color 48.5178, 36.6324, 99.1213 looks on a white background.

Color Contrast Check

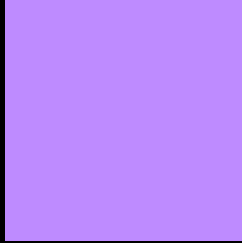
Large Text (above 18pt) WCAG AA × Fail

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 48.5178, 36.6324, 99.1213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

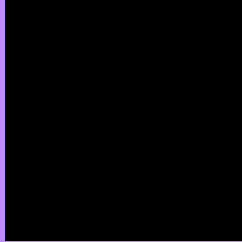
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5178, 36.6324, 99.1213

Background



This preview shows how black text looks on a background with the XYZ color 48.5178, 36.6324, 99.1213.



This preview shows how white text looks on a background with the XYZ color 48.5178, 36.6324,

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

48.5178, 36.6324, 99.1213

Protanopia

39.3732, 36.8736, 99.6499

Deuteranopia

38.0982, 37.0896, 95.5935



Tritanopia

37.2567, 36.5080, 43.6112

Trichromacy



Original Color

48.5178, 36.6324, 99.1213

Protanomaly

41.8559, 36.1605, 99.3814

Deuteranomaly

40.8033, 36.1592, 96.9243

Tritanomaly

40.5497, 36.1008, 60.7081

Monochromacy



Original Color

48.5178, 36.6324, 99.1213

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

40.0450, 37.3514, 59.1318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5178, 36.6324, 99.1213 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, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 139, 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, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 139, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.5178, 36.6324, 99.1213 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, 139, 255) }
```


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

```
.border{ border-color:rgb(190, 139, 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, 139, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 139,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5178, 36.6324, 99.1213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 139, 255) }
```

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

```
.background{ background-color: rgb(190,  
139, 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](#).

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