

# Converting Colors

XYZ(34.5906, 24.6293, 64.6680)

Have a look what the booklet for  
XYZ(34.5906, 24.6293, 64.6680)  
contains.

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# Color

**XYZ(34.4601, 24.5247,  
64.5455)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AD6DD3
RGB	173, 109, 211
RGB Percent	68%, 43%, 83%
CMY	0.3216, 0.5725, 0.1725
CMYK	0.18, 0.48, 0.00, 0.17
HSL	278°, 54%, 63%
HSV	278°, 48%, 83%
XYZ	34.4601, 24.5247, 64.5455
YIQ	139.7640, 5.4020, 45.2900

# Conversions

## Conversions Part 2

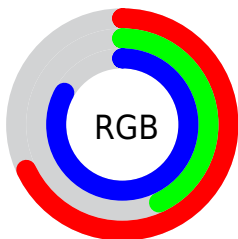
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	173, 109, 211
Decimal	11365843
CIE Lab	56.61, 43.56, -42.82
CIE LCh	57, 61.081, 315.490
Yxy	24.5247, 0.2790, 0.1985
Android (android.graphics.Color)	4289555923 (0xFFAD6DD3)
YUV	139.7640, 35.1193, 29.1480
Hunter-Lab	49.5224, 37.5447, -42.6105

# Details

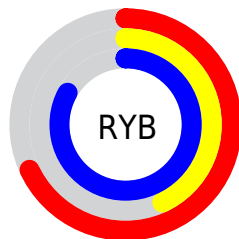
The XYZ color **34.4601, 24.5247, 64.5455** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **38.0879, 53.8963, 22.8646**, and the grayscale version is **24.7033, 25.9898, 28.3029**.

A 20% lighter version of the original color is **63.6035, 49.8837, 100.8840**, and **14.9850, 9.2780, 32.4535** is the 20% darker color. If you saturate the color by 10%, you get **30.7862, 19.6813, 63.8047**, and if you desaturate by 10%, it is **38.7783, 30.5032, 65.4723**.

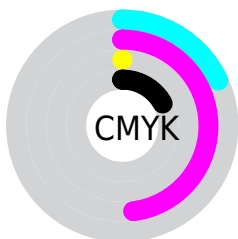
# Distribution



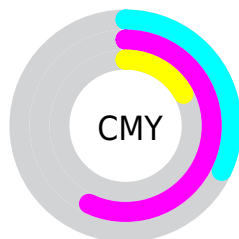
- Red (68%)
- Green (43%)
- Blue (83%)



- Red (68%)
- Yellow (43%)
- Blue (83%)



- Cyan (18%)
- Magenta (48%)
- Yellow (0%)
- Black (17%)




- Cyan (32%)
- Magenta (57%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4601, 24.5247, 64.5455 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 34.4601, 24.5247, 64.5455 by changing the saturation by 10% instead.





 34.4601, 24.5247,  
64.5455


 34.4601, 24.5247,  
64.5455


313.7287,  
275.4626, 459.4183


 23.4118, 15.7233,  
46.6436

 65.9881, 50.8851,  
113.0032


 15.0203, 9.3286,  
32.4017


 87.1985, 69.2129,  
144.3961

 8.9200, 4.9561,  
21.4011


 112.5270, 91.4849,  
181.1231

 4.7457, 2.2215,  
13.2235

 142.3390,  
118.0856, 223.6027

 2.1321, 0.7317,  
7.4501

176.9998,  
149.3993, 272.2535

 0.7066, 0.0000,  
3.6624

216.8748,

 0.0000, 0.0000,

185.8104, 327.4940

1.4420

262.3293,  
227.7034, 389.7428

■ 0.0000, 0.0000,  
0.1742

■ 0.0000, 0.0000,  
0.0000

■ 34.4601, 24.5247,  
64.5455

■ 34.4601, 24.5247,  
64.5455

■ 30.7862, 19.6813,  
63.8047

■ 38.7783, 30.5032,  
65.4723

■ 27.7129, 15.8905,  
63.2350

■ 43.7751, 37.6855,  
66.5952


■ 25.1946, 13.0632,  
62.8220

■ 49.4856, 46.1383,  
67.9258


■ 23.1770, 11.0935,  
62.5481


■ 55.9413, 55.9222,  
69.4741


 21.5795, 9.8228,  
62.3870


 63.1718, 67.0943,  
71.2494

 21.3353, 9.6405,  
62.3647

 71.2051, 79.7079,  
73.2607

 79.5215, 92.7216,  
75.3342

 82.0728, 94.0369,  
75.4536

 84.7390, 95.4113,  
75.5784

# Harmonies

## Analogous

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



27.1482, 24.5247, 84.8568



34.4601, 24.5247, 64.5455



39.1762, 24.5247, 37.7425

# Triad

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



34.4601, 24.5247, 64.5455



26.8995, 24.5247, 3.9228



12.4763, 24.5247, 38.5613

# Complementary

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



34.4601, 24.5247, 64.5455



38.0879, 53.8963, 22.8646

# 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.



12.4366, 24.5247, 18.0584



34.4601, 24.5247, 64.5455



19.8518, 24.5247, 3.9712

# Square

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



34.4601, 24.5247, 64.5455



34.2464, 24.5247, 7.4032



14.8690, 24.5247, 7.6059



14.9916, 24.5247, 65.4003



# Rectangle

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



34.4601, 24.5247, 64.5455



39.7055, 24.5247, 23.1357



14.8690, 24.5247, 7.6059



12.1930, 24.5247, 30.6198

# Sweetspot

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



34.4610, 24.5257, 64.5461



78.9889, 75.3738, 104.9932



28.6710, 29.1666, 65.7470



16.4702, 15.4755, 22.3689



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.



34.4610, 24.5257, 64.5461



47.1110, 30.0219, 97.9195



42.6537, 28.9152, 57.4274



11.8662, 11.7798, 14.8920



12.9924, 5.8781, 37.6423



0.8126, 0.3731, 2.1088



# Inverse Universe

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



37.5998, 26.8937, 30.8139



53.0475, 34.4120, 38.1217



33.0468, 51.2184, 26.2024



11.9883, 11.8800, 13.2140



17.1012, 8.7133, 5.4392

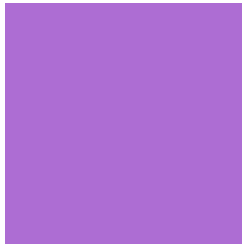


0.9941, 0.5024, 0.5040



# Previews

## White Background



This preview shows how the XYZ color 34.4601, 24.5247, 64.5455 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 34.4601, 24.5247, 64.5455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

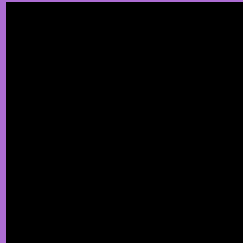
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.4601, 24.5247, 64.5455**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.4601, 24.5247, 64.5455.



This preview shows how white text looks on a background with the XYZ color 34.4601, 24.5247,



# 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

34.4601, 24.5247, 64.5455

### Protanopia

27.6097, 24.9854, 80.4583

### Deuteranopia

25.3981, 24.6677, 61.8152



## Tritanopia

26.7312, 24.5334, 26.6191

# Trichromacy



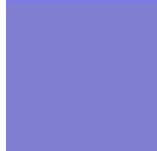
## Original Color

34.4601, 24.5247, 64.5455



## Protanomaly

28.8243, 23.9891, 74.3453



## Deuteranomaly

27.7481, 24.0650, 62.8570



## Tritanomaly

28.8444, 24.0766, 37.7773

# Monochromacy



## Original Color

34.4601, 24.5247, 64.5455



## Achromatopsia

24.9269, 26.2251, 28.5591



## Achromatomaly

27.6821, 25.1291, 39.4678

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.4601, 24.5247, 64.5455 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(173, 109, 211)` looks like.

```
.text, #text, p{  
    color:rgb(173, 109, 211)  
}
```

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(173, 109, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 109, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 34.4601, 24.5247, 64.5455 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(173, 109, 211) }
```



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

```
.border{ border-color:rgb(173, 109, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 109, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 109, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 109, 211);  
box-shadow:4px 4px 4px 4px rgb(173, 109,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.4601, 24.5247, 64.5455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 109, 211) }
```

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

```
.background{ background-color: rgb(173,  
109, 211) }
```

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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