

# Converting Colors

XYZ(41.7772, 22.8331, 65.9649)

Have a look what the booklet for  
XYZ(41.7772, 22.8331, 65.9649)  
contains.

<b>XYZ(41.7026, 22.8180, 65.8247)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(41.7026, 22.8180,  
65.8247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D640D6
RGB	214, 64, 214
RGB Percent	84%, 25%, 84%
CMY	0.1608, 0.7490, 0.1608
CMYK	0.00, 0.70, 0.00, 0.16
HSL	300°, 65%, 55%
HSV	300°, 70%, 84%
XYZ	41.7026, 22.8180, 65.8247
YIQ	125.9500, 41.2500, 78.4500

# Conversions

## Conversions Part 2

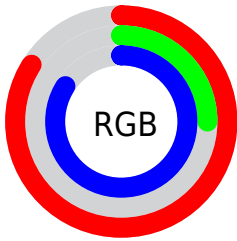
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">214, 64, 214</a>
Decimal	<a href="#">14041302</a>
CIELab	<a href="#">54.88, 74.40, -46.90</a>
CIELCh	<a href="#">55, 87.948, 327.776</a>
Yxy	<a href="#">22.8180, 0.3199, 0.1751</a>
Android (android.graphics.Color)	<a href="#">4292231382 (0xFFD640D6)</a>
YUV	<a href="#">125.9500, 43.4087, 77.2198</a>
Hunter-Lab	<a href="#">47.7682, 72.2398, -48.2641</a>

# Details

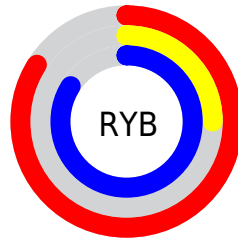
The XYZ color **41.7026, 22.8180, 65.8247** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **27.0874, 49.5544, 12.9890**, and the grayscale version is **19.6630, 20.6870, 22.5282**.

A 20% lighter version of the original color is **66.6236, 43.1472, 99.4245**, and **19.7756, 9.4718, 33.5868** is the 20% darker color. If you saturate the color by 10%, you get **40.7193, 20.8508, 65.4970**, and if you desaturate by 10%, it is **43.1504, 25.7128, 66.3076**.

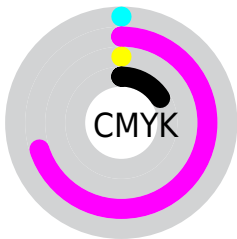
# Distribution



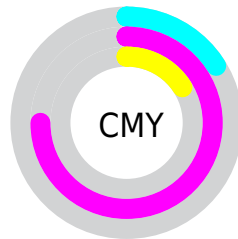
- Red (84%)
- Green (25%)
- Blue (84%)



- Red (84%)
- Yellow (25%)
- Blue (84%)



- Cyan (0%)
- Magenta (70%)
- Yellow (0%)
- Black (16%)




- Cyan (16%)
- Magenta (75%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7026, 22.8180, 65.8247 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 41.7026, 22.8180, 65.8247 by changing the saturation by 10% instead.




 41.7026, 22.8180,  
65.8247


 41.7026, 22.8180,  
65.8247

344.2613,  
266.7888, 464.1368


 29.0586, 14.4592,  
47.6745


 77.0173, 48.0943,  
114.8593

 19.2696, 8.4407,  
33.2111


 100.4187, 65.7806,  
146.5808

 11.9704, 4.3782,  
22.0157


 128.1366, 87.3448,  
183.6632

 6.7956, 1.8873,  
13.6700

 160.5364,  
113.1714, 226.5249

 3.3798, 0.5407,  
7.7554

 197.9834,  
143.6446, 275.5846

 1.3576, 0.0000,  
3.8533

240.8430,

 0.2257, 0.0000,

179.1491, 331.2608

1.5452

289.4805,  
220.0690, 393.9720

■ 0.0000, 0.0000,  
0.2513

■ 0.0000, 0.0000,  
0.0000

■ 41.7026, 22.8180,  
65.8247

■ 41.7026, 22.8180,  
65.8247

■ 40.7193, 20.8508,  
65.4970

■ 43.1504, 25.7128,  
66.3076


■ 40.1416, 19.6954,  
65.3044


■ 45.1074, 29.6268,  
66.9600


■ 39.8696, 19.1514,  
65.2136


■ 47.6160, 34.6440,  
67.7963


■ 50.7136, 40.8392,  
68.8289

 54.4342, 48.2803,  
70.0692

 58.8092, 57.0302,  
71.5276

 63.8679, 67.1476,  
73.2140

 69.6379, 78.6876,  
75.1374

 75.6298, 90.6715,  
77.1348

# Harmonies

## Analogous

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



31.6385, 22.8180, 108.9301



41.7026, 22.8180, 65.8247



46.3010, 22.8180, 26.9854

# Triad

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



41.7026, 22.8180, 65.8247



22.4229, 22.8180, 0.4717



8.9793, 22.8180, 59.1593

# Complementary

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



41.7026, 22.8180, 65.8247



27.0874, 49.5544, 12.9890

# 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.



7.8403, 22.8180, 22.8207



41.7026, 22.8180, 65.8247



14.0786, 22.8180, 1.1913

# Square

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



41.7026, 22.8180, 65.8247



33.2858, 22.8180, 1.4877



9.3892, 22.8180, 5.8151



13.1556, 22.8180, 103.4480



# Rectangle

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



41.7026, 22.8180, 65.8247



44.8572, 22.8180, 11.8042



9.3892, 22.8180, 5.8151



8.2954, 22.8180, 45.0805

# Sweetspot

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



41.7035, 22.8190, 65.8252



80.2816, 70.4634, 103.9769



16.0864, 9.6130, 64.6270



16.8392, 14.3934, 22.1405



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.



41.7035, 22.8190, 65.8252



60.0758, 30.0520, 97.2407



34.2263, 19.8282, 26.4511



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4168



1.4535, 0.6982, 2.3774



# Inverse Universe

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



41.7035, 22.8190, 65.8252



60.0758, 30.0520, 97.2407



30.8223, 51.0484, 32.6566



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4168



1.4535, 0.6982, 2.3774



# Previews

## White Background



This preview shows how the XYZ color 41.7026, 22.8180, 65.8247 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

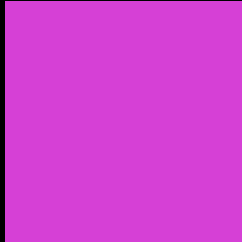
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.7026, 22.8180, 65.8247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

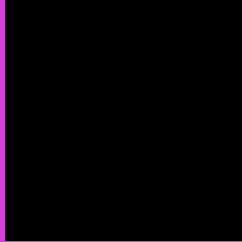
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.7026, 22.8180, 65.8247**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7026, 22.8180, 65.8247.



This preview shows how white text looks on a background with the XYZ color 41.7026, 22.8180,

65.8247.

# 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

41.7026, 22.8180, 65.8247

### Protanopia

27.4001, 23.4991, 97.6994

### Deuteranopia

23.6151, 22.9773, 59.6903



## Tritanopia

31.5681, 22.7324, 16.6339

# Trichromacy



## Original Color

41.7026, 22.8180, 65.8247



## Protanomaly

27.5898, 19.9051, 84.8260



## Deuteranomaly

27.0014, 20.4237, 61.5505



## Tritanomaly

34.0501, 22.0135, 29.6485

# Monochromacy



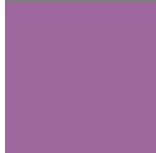
## Original Color

41.7026, 22.8180, 65.8247



## Achromatopsia

19.8309, 20.8637, 22.7206



## Achromatomaly

25.1224, 19.4382, 34.7756

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7026, 22.8180, 65.8247 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(214, 64, 214)` looks like.

```
.text, #text, p{  
    color:rgb(214, 64, 214)  
}
```

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(214, 64, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 64, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7026, 22.8180, 65.8247 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(214, 64, 214) }
```



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

```
.border{ border-color:rgb(214, 64, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 64, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 64, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 64, 214);  
box-shadow:4px 4px 4px 4px rgb(214, 64,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7026, 22.8180, 65.8247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 64, 214) }
```

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

```
.background{ background-color: rgb(214, 64,  
214) }
```

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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