

# Converting Colors

XYZ(41.6223, 27.2327, 52.3747)

Have a look what the booklet for  
XYZ(41.6223, 27.2327, 52.3747)  
contains.

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# Color

**XYZ(41.7892, 27.3651,  
52.3697)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D665BF
RGB	214, 101, 191
RGB Percent	84%, 40%, 75%
CMY	0.1608, 0.6039, 0.2510
CMYK	0.00, 0.53, 0.11, 0.16
HSL	312°, 58%, 62%
HSV	312°, 53%, 84%
XYZ	41.7892, 27.3651, 52.3697
YIQ	145.0470, 38.4580, 51.9460

# Conversions

## Conversions Part 2

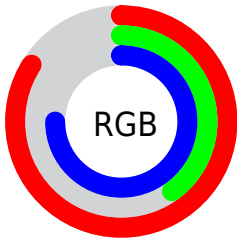
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">214, 101, 191</a>
Decimal	<a href="#">14050751</a>
CIELab	<a href="#">59.31, 55.58, -26.85</a>
CIELCh	<a href="#">59, 61.732, 334.214</a>
Yxy	<a href="#">27.3651, 0.3439, 0.2252</a>
Android (android.graphics.Color)	<a href="#">4292240831 (0xFFD665BF)</a>
YUV	<a href="#">145.0470, 22.6548, 60.4718</a>
Hunter-Lab	<a href="#">52.3117, 51.0494, -22.7376</a>

# Details

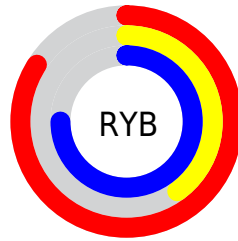
The XYZ color **41.7892, 27.3651, 52.3697** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.0527, 52.3160, 27.4267**, and the grayscale version is **26.8337, 28.2311, 30.7437**.

A 20% lighter version of the original color is **70.0717, 51.8142, 95.1149**, and **19.3584, 10.8510, 24.7411** is the 20% darker color. If you saturate the color by 10%, you get **39.5033, 23.5487, 49.2778**, and if you desaturate by 10%, it is **44.6320, 32.2715, 55.7181**.

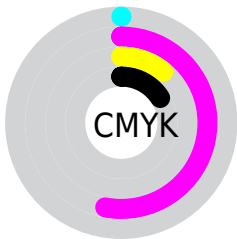
# Distribution



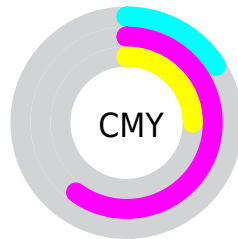
- Red (84%)
- Green (40%)
- Blue (75%)



- Red (84%)
- Yellow (40%)
- Blue (75%)



- Cyan (0%)
- Magenta (53%)
- Yellow (11%)
- Black (16%)




- Cyan (16%)
- Magenta (60%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7892, 27.3651, 52.3697 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 41.7892, 27.3651, 52.3697 by changing the saturation by 10% instead.





 41.7892, 27.3651,  
52.3697

 41.7892, 27.3651,  
52.3697


344.6149,  
289.4205, 412.8597


 29.1267, 17.8476,  
36.9156


 77.1477, 55.4692,  
95.1084


 19.3214, 10.8406,  
24.8469


 100.5743, 74.8246,  
123.2300

 12.0081, 5.9598,  
15.7450

 128.3196, 98.2280,  
156.4112

 6.8215, 2.8206,  
9.1915

 160.7491,  
126.0640, 195.0705

 3.3960, 1.0388,  
4.7678

198.2280,  
158.7168, 239.6265

 1.3665, 0.0000,  
2.0553

241.1217,

 0.2322, 0.0000,

196.5709, 290.4976

0.5890

289.7955,  
240.0107, 348.1025

■ 0.0000, 0.0000,  
0.0000

■ 41.7892, 27.3651,  
52.3697

■ 41.7892, 27.3651,  
52.3697

■ 39.5033, 23.5487,  
49.2778

■ 44.6320, 32.2715,  
55.7181

■ 37.7286, 20.7325,  
46.4258

■ 48.0675, 38.3408,  
59.3348

■ 36.4165, 18.8190,  
43.7971

■ 52.1315, 45.6439,  
63.2324

■ 35.5072, 17.6890,  
41.3712

■ 56.8562, 54.2451,  
67.4225

■ 35.0293, 17.2153,  
39.7258

■ 62.2716, 64.2041,  
71.9155

■ 68.4059, 75.5769,  
76.7213

■ 75.2855, 88.4165,  
81.8494

■ 77.1985, 91.2990,  
85.3963

■ 77.8035, 91.5409,  
88.5822

# Harmonies

## Analogous

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



35.2772, 27.3651, 80.5654



41.7892, 27.3651, 52.3697



43.7923, 27.3651, 26.7812

# Triad

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



41.7892, 27.3651, 52.3697



24.9346, 27.3651, 4.3329



15.5675, 27.3651, 60.6479

# Complementary

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



41.7892, 27.3651, 52.3697



33.0527, 52.3160, 27.4267

# 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.



13.8403, 27.3651, 33.0288



41.7892, 27.3651, 52.3697



18.5266, 27.3651, 6.6590

# Square

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



41.7892, 27.3651, 52.3697



33.0135, 27.3651, 5.5740



14.8059, 27.3651, 14.8689



20.0739, 27.3651, 86.7789



# Rectangle

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



41.7892, 27.3651, 52.3697



42.0258, 27.3651, 15.5440



14.8059, 27.3651, 14.8689



14.6880, 27.3651, 50.8451

# Sweetspot

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



41.7901, 27.3664, 52.3702



82.0787, 76.1510, 98.1218



25.0471, 18.4193, 65.8540



17.2529, 15.7251, 20.7237



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.



41.7901, 27.3664, 52.3702



58.4989, 34.6178, 72.9166



36.7525, 25.3513, 25.8426



12.8397, 12.5874, 15.0959



21.2111, 10.4208, 24.2134



1.3074, 0.6397, 1.6080



# Inverse Universe

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



41.7901, 27.3664, 52.3702



58.4989, 34.6178, 72.9166



37.6629, 54.1601, 51.7036



12.8397, 12.5874, 15.0959



21.2111, 10.4208, 24.2134



1.3074, 0.6397, 1.6080



# Previews

## White Background



This preview shows how the XYZ color 41.7892, 27.3651, 52.3697 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

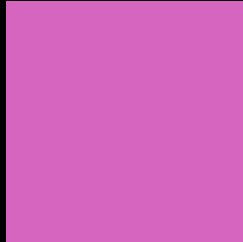
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.7892, 27.3651, 52.3697 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

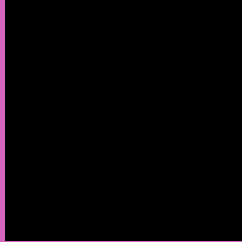
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.7892, 27.3651, 52.3697**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7892, 27.3651, 52.3697.



This preview shows how white text looks on a background with the XYZ color 41.7892, 27.3651,



# 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

41.7892, 27.3651, 52.3697

### Protanopia

29.5197, 27.8344, 72.9240

### Deuteranopia

28.1683, 27.6613, 49.2019



## Tritanopia

35.6792, 27.2368, 22.7788

# Trichromacy



## Original Color

41.7892, 27.3651, 52.3697



## Protanomaly

31.7964, 26.1089, 64.9917



## Deuteranomaly

31.7403, 26.4021, 50.4369



## Tritanomaly

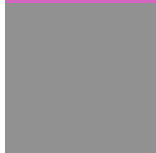
37.6876, 27.2404, 31.7053

# Monochromacy



## Original Color

41.7892, 27.3651, 52.3697



## Achromatopsia

26.9133, 28.3149, 30.8349



## Achromatomaly

30.9494, 26.8552, 37.7348

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7892, 27.3651, 52.3697 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, 101, 191)` looks like.

```
.text, #text, p{  
    color:rgb(214, 101, 191)  
}
```

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, 101, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 101, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7892, 27.3651, 52.3697 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, 101, 191) }
```



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

```
.border{ border-color:rgb(214, 101, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 101, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 101, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 101, 191);  
box-shadow:4px 4px 4px 4px rgb(214, 101,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7892, 27.3651, 52.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 101, 191) }
```

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

```
.background{ background-color: rgb(214,  
101, 191) }
```

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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