

# Converting Colors

XYZ(41.7653, 40.7216, 92.0466)

Have a look what the booklet for  
XYZ(41.7653, 40.7216, 92.0466)  
contains.

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# **Color**

**XYZ(41.8247, 40.7193,  
92.0414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EA9F5
RGB	142, 169, 245
RGB Percent	56%, 66%, 96%
CMY	0.4431, 0.3372, 0.0392
CMYK	0.42, 0.31, 0.00, 0.04
HSL	224°, 84%, 76%
HSV	224°, 42%, 96%
XYZ	41.8247, 40.7193, 92.0414
YIQ	169.5910, -40.4880, 17.9120

# Conversions

## Conversions Part 2

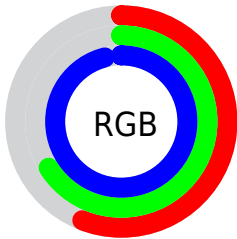
Format	Color
R <sub>Y</sub> B	142, 163, 245
Decimal	9349621
CIE Lab	69.98, 9.71, -40.87
CIE LCh	70, 42.004, 283.365
Yxy	40.7193, 0.2396, 0.2332
Android (android.graphics.Color)	4287539701 (0xFF8EA9F5)
YUV	169.5910, 37.1766, -24.1973
Hunter-Lab	63.8117, 5.3255, -40.8512

# Details

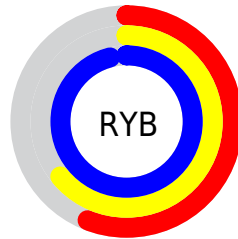
The XYZ color **41.8247, 40.7193, 92.0414** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **67.6113, 71.5098, 35.8322**, and the grayscale version is **37.8418, 39.8125, 43.3559**.

A 20% lighter version of the original color is **68.2588, 72.6734, 105.0375**, and **19.2761, 18.3319, 50.0994** is the 20% darker color. If you saturate the color by 10%, you get **34.9402, 32.5187, 90.8221**, and if you desaturate by 10%, it is **50.1009, 50.3292, 93.4609**.

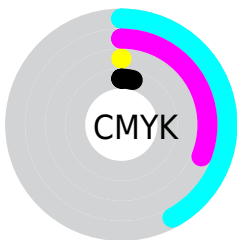
# Distribution



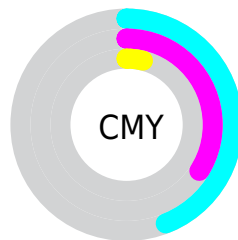
- Red (56%)
- Green (66%)
- Blue (96%)



- Red (56%)
- Yellow (64%)
- Blue (96%)



- Cyan (42%)
- Magenta (31%)
- Yellow (0%)
- Black (4%)



- Cyan (44%)
- Magenta (34%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8247, 40.7193, 92.0414 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 41.8247, 40.7193, 92.0414 by changing the saturation by 10% instead.



■ 41.8247, 40.7193,  
92.0414

■ 41.8247, 40.7193,  
92.0414

344.7597,  
349.1461, 555.3898

■ 29.1546, 28.0998,  
69.0918

■ 77.2011, 76.2576,  
152.1310

■ 19.3426, 18.4009,  
50.3142

■ 100.6380, 99.9452,  
190.1080

■ 12.0236, 11.2382,  
35.2902

128.3946,  
128.0910, 233.9313

■ 6.8321, 6.2273,  
23.6012

160.8362,  
161.0793, 284.0193

■ 3.4027, 2.9838,  
14.8286

198.3282,  
199.2946, 340.7906

■ 1.3701, 1.1233,  
8.5539

241.2358,

■ 0.2348, 0.0000,

243.1212, 404.6638

4.3585

289.9246,  
292.9436, 476.0574

■ 0.0000, 0.0000,  
1.8240

■ 0.0000, 0.0000,  
0.4437

■ 41.8247, 40.7193,  
92.0414

■ 41.8247, 40.7193,  
92.0414

■ 34.9402, 32.5187,  
90.8221

■ 50.1009, 50.3292,  
93.4609

■ 29.3628, 25.6532,  
89.7909

■ 59.8379, 61.4082,  
95.0861

■ 25.0052, 20.0487,  
88.9388

■ 71.1052, 74.0180,  
96.9262

■ 21.7667, 15.6207,  
88.2548

■ 83.9668, 88.2156,  
98.9887

■ 19.5283, 12.2726,  
87.7265

■ 93.4816, 99.3726,  
100.6408

■ 18.3275, 10.2845,  
87.4061

# Harmonies

## Analogous

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



35.0561, 40.7193, 91.1384



41.8247, 40.7193, 92.0414



48.4599, 40.7193, 77.7674

# Triad

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



41.8247, 40.7193, 92.0414



49.0795, 40.7193, 23.1665



27.4133, 40.7193, 34.3986

# Complementary

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



41.8247, 40.7193, 92.0414



67.6113, 71.5098, 35.8322

# 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.



30.3515, 40.7193, 22.1937



41.8247, 40.7193, 92.0414



42.5934, 40.7193, 17.1421

# Square

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



41.8247, 40.7193, 92.0414



52.9695, 40.7193, 36.1829



35.7396, 40.7193, 16.8483



27.2591, 40.7193, 53.6310



# Rectangle

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



41.8247, 40.7193, 92.0414



51.6976, 40.7193, 63.4696



35.7396, 40.7193, 16.8483



28.0908, 40.7193, 29.4958

# Sweetspot

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



41.8261, 40.7208, 92.0424



76.5755, 79.6204, 105.9400



56.4029, 76.0942, 77.7261



15.7825, 16.3647, 22.5768



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.



41.8261, 40.7208, 92.0424



39.6082, 37.2329, 99.7068



41.8888, 34.0509, 90.7516



15.9344, 16.6330, 20.9132



9.9687, 5.7311, 47.1188



0.9565, 0.6645, 4.1681



# Inverse Universe

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



54.4919, 41.6246, 42.6999



55.3202, 39.1387, 38.3208



67.3447, 82.6257, 37.9918



16.6774, 16.5538, 18.0480



20.8362, 10.6779, 3.8460



1.8719, 0.9547, 0.5517



# Previews

## White Background



This preview shows how the XYZ color 41.8247, 40.7193, 92.0414 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 41.8247, 40.7193, 92.0414 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

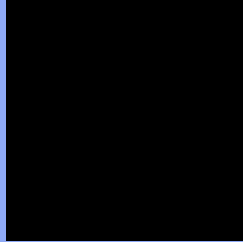
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.8247, 40.7193, 92.0414

## Background



This preview shows how black text looks on a background with the XYZ color 41.8247, 40.7193, 92.0414.



This preview shows how white text looks on a background with the XYZ color 41.8247, 40.7193,



# 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

41.8247, 40.7193, 92.0414

### Protanopia

42.1858, 40.6479, 91.2103

### Deuteranopia

41.8247, 40.7193, 92.0414



## Tritanopia

34.6478, 40.6796, 56.4779

# Trichromacy



## Original Color

41.8247, 40.7193, 92.0414

## Protanomaly

42.0088, 40.5567, 91.2021

## Deuteranomaly

41.8247, 40.7193, 92.0414

## Tritanomaly

36.8865, 40.4000, 68.1412

# Monochromacy



## Original Color

41.8247, 40.7193, 92.0414

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

38.9500, 40.2543, 58.5403

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8247, 40.7193, 92.0414 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(142, 169, 245)` looks like.

```
.text, #text, p{  
    color:rgb(142, 169, 245)  
}
```

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(142, 169, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 169, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8247, 40.7193, 92.0414 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(142, 169, 245) }
```



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

```
.border{ border-color:rgb(142, 169, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 169, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 169, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 169, 245);  
box-shadow:4px 4px 4px 4px rgb(142, 169,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8247, 40.7193, 92.0414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 169, 245) }
```

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

```
.background{ background-color: rgb(142,  
169, 245) }
```

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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