

Converting Colors

XYZ(41.7611, 40.6837, 89.7375)

Have a look what the booklet for
XYZ(41.7611, 40.6837, 89.7375)
contains.

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Color

**XYZ(41.7166, 40.7160,
89.6647)**

Conversions

Conversions Part 1

Format	Color
Hex	90A9F2
RGB	144, 169, 242
RGB Percent	56%, 66%, 95%
CMY	0.4353, 0.3372, 0.0510
CMYK	0.40, 0.30, 0.00, 0.05
HSL	225°, 79%, 76%
HSV	225°, 40%, 95%
XYZ	41.7166, 40.7160, 89.6647
YIQ	169.8470, -38.3330, 17.4030

Conversions

Conversions Part 2

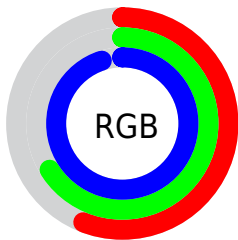
Format	Color
R_YB	144, 164, 242
Decimal	9480690
CIE Lab	69.98, 9.39, -39.23
CIE LCh	70, 40.337, 283.463
Yxy	40.7160, 0.2424, 0.2366
Android (android.graphics.Color)	4287670770 (0xFF90A9F2)
YUV	169.8470, 35.5714, -22.6678
Hunter-Lab	63.8091, 5.0324, -38.6481

Details

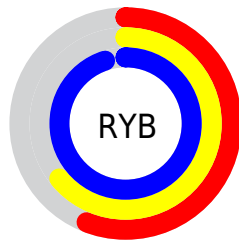
The XYZ color **41.7166, 40.7160, 89.6647** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.4663, 70.5183, 36.4956**, and the grayscale version is **37.9757, 39.9534, 43.5093**.

A 20% lighter version of the original color is **68.7930, 72.9488, 105.0625**, and **19.3440, 18.3916, 48.9848** is the 20% darker color. If you saturate the color by 10%, you get **34.8085, 32.5154, 88.4467**, and if you desaturate by 10%, it is **49.9958, 50.3114, 91.0812**.

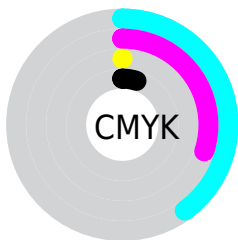
Distribution



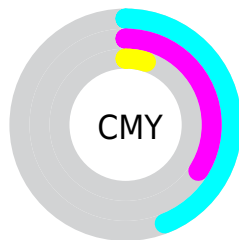
- Red (56%)
- Green (66%)
- Blue (95%)



- Red (56%)
- Yellow (64%)
- Blue (95%)



- Cyan (40%)
- Magenta (30%)
- Yellow (0%)
- Black (5%)



- Cyan (44%)
- Magenta (34%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7166, 40.7160, 89.6647 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 41.7166, 40.7160, 89.6647 by changing the saturation by 10% instead.

■ 41.7166, 40.7160,
89.6647

■ 41.7166, 40.7160,
89.6647

344.3184,
349.1322, 547.4815

■ 29.0696, 28.0972,
67.1304

■ 77.0384, 76.2526,
148.8040

■ 19.2780, 18.3990,
48.7284

■ 100.4439, 99.9392,
186.2461

■ 11.9765, 11.2368,
34.0400

128.1662,
128.0839, 229.4946

■ 6.7998, 6.2263,
22.6467

160.5708,
161.0710, 278.9680

■ 3.3824, 2.9832,
14.1300

198.0230,
199.2851, 335.0849

■ 1.3591, 1.1230,
8.0714

240.8880,

■ 0.2268, 0.0000,

243.1103, 398.2637

4.0522

289.5314,
292.9313, 468.9230

■ 0.0000, 0.0000,
1.6540

■ 0.0000, 0.0000,
0.3289

■ 41.7166, 40.7160,
89.6647

■ 41.7166, 40.7160,
89.6647

■ 34.8085, 32.5154,
88.4467

■ 49.9958, 50.3114,
91.0812

■ 29.1901, 25.6374,
87.4152

■ 59.7128, 61.3599,
92.7016

■ 24.7773, 20.0095,
86.5615

■ 70.9350, 73.9219,
94.5349

■ 21.4739, 15.5501,
85.8749

■ 83.7241, 88.0531,
96.5884

■ 19.1671, 12.1661,
85.3433

■ 93.0272, 99.1909,
98.2479

■ 17.7353, 9.8271,
84.9673

Harmonies

Analogous

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



35.2128, 40.7160, 88.8635



41.7166, 40.7160, 89.6647



48.0591, 40.7160, 76.1302

Triad

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



41.7166, 40.7160, 89.6647



48.6150, 40.7160, 23.8069



27.8054, 40.7160, 34.8090

Complementary

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



41.7166, 40.7160, 89.6647



66.4663, 70.5183, 36.4956

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.



30.6413, 40.7160, 22.9115



41.7166, 40.7160, 89.6647



42.4087, 40.7160, 17.9023

Square

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



41.7166, 40.7160, 89.6647



52.3356, 40.7160, 36.4294



35.8312, 40.7160, 17.6292



27.6649, 40.7160, 53.3038

Rectangle

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



41.7166, 40.7160, 89.6647



51.1414, 40.7160, 62.5472



35.8312, 40.7160, 17.6292



28.4591, 40.7160, 30.0498

Sweetspot

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



41.7180, 40.7175, 89.6657



77.8292, 80.9605, 106.1326



55.6325, 74.3856, 76.3024



16.2907, 16.9185, 22.6569



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.



41.7180, 40.7175, 89.6657



40.1705, 37.7836, 99.7835



41.9101, 34.5601, 88.4671



15.2250, 15.8840, 19.9851



9.6198, 5.4638, 45.6755



0.8775, 0.6090, 3.8255

Inverse Universe

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



53.7539, 41.6900, 42.7513



55.7441, 39.8445, 38.8996



66.0409, 80.5997, 38.4639



15.9382, 15.8250, 17.2310



20.1812, 10.3449, 3.6050



1.7179, 0.8762, 0.5052

Previews

White Background



This preview shows how the XYZ color 41.7166, 40.7160, 89.6647 looks on a white background.

Color Contrast Check

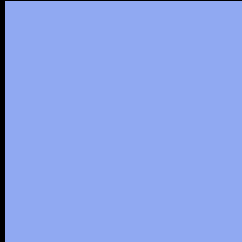
Large Text (above 18pt) WCAG AA × Fail

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 41.7166, 40.7160, 89.6647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

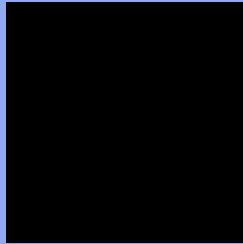
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7166, 40.7160, 89.6647

Background



This preview shows how black text looks on a background with the XYZ color 41.7166, 40.7160, 89.6647.



This preview shows how white text looks on a background with the XYZ color 41.7166, 40.7160,

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

41.7166, 40.7160, 89.6647

Protanopia

42.0926, 40.6520, 88.8472

Deuteranopia

41.7166, 40.7160, 89.6647



Tritanopia

34.9061, 40.5163, 56.4328

Trichromacy



Original Color

41.7166, 40.7160, 89.6647

Protanomaly

41.9124, 40.5592, 88.8388

Deuteranomaly

41.7166, 40.7160, 89.6647

Tritanomaly

37.2412, 40.5973, 67.5013

Monochromacy



Original Color

41.7166, 40.7160, 89.6647

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

39.0365, 40.3120, 57.9481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7166, 40.7160, 89.6647 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(144, 169, 242)` looks like.

```
.text, #text, p{  
    color:rgb(144, 169, 242)  
}
```

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(144, 169, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 169, 242) }
```

Border

The CSS property to change the border of an element to XYZ 41.7166, 40.7160, 89.6647 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(144, 169, 242) }
```


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

```
.border{ border-color:rgb(144, 169, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 169, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 169, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 169, 242);  
box-shadow:4px 4px 4px 4px rgb(144, 169,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7166, 40.7160, 89.6647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 169, 242) }
```

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

```
.background{ background-color: rgb(144,  
169, 242) }
```

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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