

Converting Colors

XYZ(40.5833, 40.2652, 84.7024)

Have a look what the booklet for
XYZ(40.5833, 40.2652, 84.7024)
contains.

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Color

**XYZ(40.6560, 40.2717,
84.9873)**

Conversions

Conversions Part 1

Format	Color
Hex	8FA9EC
RGB	143, 169, 236
RGB Percent	56%, 66%, 93%
CMY	0.4392, 0.3372, 0.0745
CMYK	0.39, 0.28, 0.00, 0.07
HSL	223°, 71%, 74%
HSV	223°, 39%, 93%
XYZ	40.6560, 40.2717, 84.9873
YIQ	168.8640, -37.0030, 15.3250

Conversions

Conversions Part 2

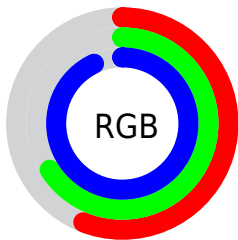
Format	Color
RYB	143, 163, 236
Decimal	9415148
CIELab	69.66, 7.50, -36.45
CIELCh	70, 37.214, 281.621
Yxy	40.2717, 0.2450, 0.2427
Android (android.graphics.Color)	4287605228 (0xFF8FA9EC)
YUV	168.8640, 33.0980, -22.6827
Hunter-Lab	63.4600, 3.3021, -34.9808

Details

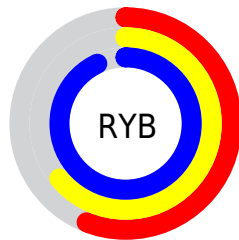
The XYZ color **40.6560, 40.2717, 84.9873** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.5978, 65.9107, 35.4111**, and the grayscale version is **37.5008, 39.4538, 42.9652**.

A 20% lighter version of the original color is **68.2588, 72.6734, 105.0375**, and **18.6240, 18.0926, 45.6906** is the 20% darker color. If you saturate the color by 10%, you get **34.0321, 32.4634, 83.8300**, and if you desaturate by 10%, it is **48.5534, 49.3487, 86.3238**.

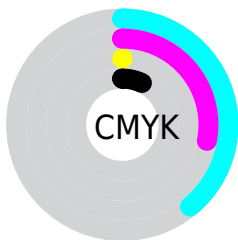
Distribution



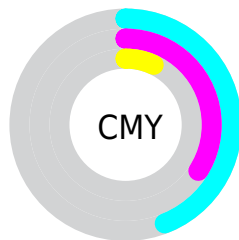
- Red (56%)
- Green (66%)
- Blue (93%)



- Red (56%)
- Yellow (64%)
- Blue (93%)



- Cyan (39%)
- Magenta (28%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (34%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6560, 40.2717, 84.9873 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 40.6560, 40.2717, 84.9873 by changing the saturation by 10% instead.

■ 40.6560, 40.2717,
84.9873

■ 40.6560, 40.2717,
84.9873

339.9680,
347.2674, 531.7295

■ 28.2369, 27.7504,
63.2808

■ 75.4394, 75.5771,
142.2294

■ 18.6457, 18.1376,
45.6260

■ 98.5344, 99.1300,
178.6022

■ 11.5170, 11.0488,
31.6042

125.9188,
127.1289, 220.7007

■ 6.4856, 6.0997,
20.7971

157.9578,
159.9582, 268.9436

■ 3.1860, 2.9058,
12.7859

195.0169,
198.0023, 323.7494

■ 1.2528, 1.0828,
7.1523

237.4614,

■ 0.1475, 0.0000,

241.6456, 385.5366

3.4777

285.6566,
291.2725, 454.7238

■ 0.0000, 0.0000,
1.3434

■ 0.0000, 0.0000,
0.0970

■ 40.6560, 40.2717,
84.9873

■ 40.6560, 40.2717,
84.9873

■ 34.0321, 32.4634,
83.8300

■ 48.5534, 49.3487,
86.3238

■ 28.6075, 25.8598,
82.8413

■ 57.7845, 59.7451,
87.8440

■ 24.3061, 20.3977,
82.0137

■ 68.4108, 71.5145,
89.5557

■ 21.0411, 16.0055,
81.3380

■ 80.4885, 84.7059,
91.4653

■ 18.7111, 12.6022,
80.8039

■ 91.8269, 98.2090,
93.4741

■ 17.1645, 10.0782,
80.3982

■ 92.1405, 98.8362,
93.5786

■ 17.0874, 9.9500,
80.3776

Harmonies

Analogous

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



34.7426, 40.2717, 83.4249



40.6560, 40.2717, 84.9873



46.4902, 40.2717, 73.5876

Triad

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



40.6560, 40.2717, 84.9873



47.5971, 40.2717, 25.3126



28.3109, 40.2717, 34.2064

Complementary

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



40.6560, 40.2717, 84.9873



62.5978, 65.9107, 35.4111

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.



31.0930, 40.2717, 23.4450



40.6560, 40.2717, 84.9873



42.0434, 40.2717, 19.3159

Square

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



40.6560, 40.2717, 84.9873



50.7693, 40.2717, 37.5055



35.9927, 40.2717, 18.7364



28.0231, 40.2717, 50.8703

Rectangle

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



40.6560, 40.2717, 84.9873



49.3893, 40.2717, 61.5654



35.9927, 40.2717, 18.7364



28.9707, 40.2717, 29.9062

Sweetspot

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



40.6574, 40.2732, 84.9883



78.0407, 81.3835, 106.2031



52.9137, 70.4673, 71.5583



16.3402, 17.0175, 22.6734



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.



40.6574, 40.2732, 84.9883



42.1899, 40.6314, 100.2267



40.0993, 33.5051, 83.7113



14.5740, 15.2345, 19.0947



9.5127, 5.6724, 44.3365



0.8257, 0.6030, 3.5077

Inverse Universe

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



51.5772, 40.3439, 42.6063



57.0541, 41.4815, 42.3666



63.2291, 76.5511, 37.4316



15.2385, 15.1233, 16.5414



19.6569, 10.0654, 3.9945



1.5833, 0.8063, 0.5230

Previews

White Background



This preview shows how the XYZ color 40.6560, 40.2717, 84.9873 looks on a white background.

Color Contrast Check

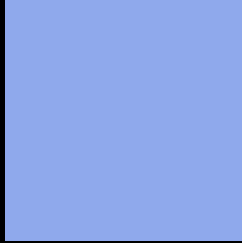
Large Text (above 18pt) WCAG AA × Fail

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 40.6560, 40.2717, 84.9873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

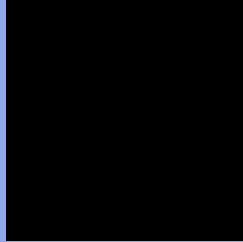
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6560, 40.2717, 84.9873

Background



This preview shows how black text looks on a background with the XYZ color 40.6560, 40.2717, 84.9873.



This preview shows how white text looks on a background with the XYZ color 40.6560, 40.2717,

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

40.6560, 40.2717, 84.9873

Protanopia

41.3918, 40.1196, 84.1595

Deuteranopia

41.1756, 40.2644, 84.9585



Tritanopia

34.7523, 40.1556, 55.7883

Trichromacy



Original Color

40.6560, 40.2717, 84.9873

Protanomaly

41.0306, 40.2065, 84.1953

Deuteranomaly

40.9970, 40.1724, 84.9502

Tritanomaly

36.6746, 40.0604, 65.4740

Monochromacy



Original Color

40.6560, 40.2717, 84.9873

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.3108, 39.6998, 56.0957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6560, 40.2717, 84.9873 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(143, 169, 236)` looks like.

```
.text, #text, p{  
    color:rgb(143, 169, 236)  
}
```

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(143, 169, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 169, 236) }
```

Border

The CSS property to change the border of an element to XYZ 40.6560, 40.2717, 84.9873 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(143, 169, 236) }
```


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

```
.border{ border-color:rgb(143, 169, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 169, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 169, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 169, 236);  
box-shadow:4px 4px 4px 4px rgb(143, 169,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6560, 40.2717, 84.9873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 169, 236) }
```

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

```
.background{ background-color: rgb(143,  
169, 236) }
```

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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