

Converting Colors

XYZ(40.7252, 43.7917, 84.9035)

Have a look what the booklet for
XYZ(40.7252, 43.7917, 84.9035)
contains.

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Color

**XYZ(40.7252, 43.7917,
84.9035)**

Conversions

Conversions Part 1

Format	Color
Hex	82B5EB
RGB	130, 181, 235
RGB Percent	51%, 71%, 92%
CMY	0.4902, 0.2902, 0.0784
CMYK	0.45, 0.23, 0.00, 0.08
HSL	211°, 72%, 72%
HSV	211°, 45%, 92%
XYZ	40.7252, 43.7917, 84.9035
YIQ	171.9070, -47.7300, 5.9820

Conversions

Conversions Part 2

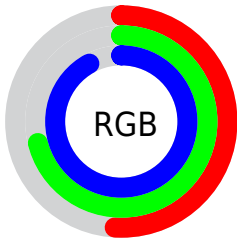
Format	Color
R _Y B	130, 164, 235
Decimal	8566251
CIE Lab	72.09, -2.75, -32.21
CIE LCh	72, 32.324, 265.122
Yxy	43.7917, 0.2404, 0.2585
Android (android.graphics.Color)	4286756331 (0xFF82B5EB)
YUV	171.9070, 31.1048, -36.7524
Hunter-Lab	66.1753, -5.9554, -29.7469

Details

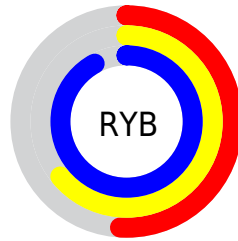
The XYZ color **40.7252, 43.7917, 84.9035** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.4320, 53.5565, 28.5366**, and the grayscale version is **39.0319, 41.0646, 44.7194**.

A 20% lighter version of the original color is **68.8277, 78.3532, 106.1038**, and **18.6035, 20.1095, 45.5488** is the 20% darker color. If you saturate the color by 10%, you get **35.1721, 37.4385, 83.9707**, and if you desaturate by 10%, it is **47.3175, 50.9989, 85.9480**.

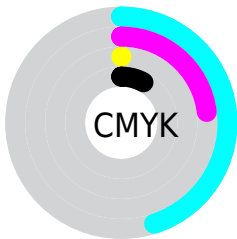
Distribution



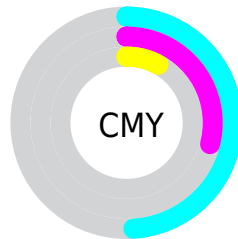
- Red (51%)
- Green (71%)
- Blue (92%)



- Red (51%)
- Yellow (64%)
- Blue (92%)



- Cyan (45%)
- Magenta (23%)
- Yellow (0%)
- Black (8%)



- Cyan (49%)
- Magenta (29%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7252, 43.7917, 84.9035 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 40.7252, 43.7917, 84.9035 by changing the saturation by 10% instead.

■ 40.7252, 43.7917,
84.9035

■ 40.7252, 43.7917,
84.9035

340.2530,
361.8576, 531.4450

■ 28.2911, 30.5068,
63.2120

■ 75.5439, 80.9042,
142.1113

■ 18.6868, 20.2236,
45.5706

■ 98.6593, 105.5006,
178.4647

■ 11.5469, 12.5577,
31.5609

■ 126.0658,
134.6363, 220.5423

■ 6.5059, 7.1247,
20.7643

158.1288,
168.6956, 268.7629

■ 3.1986, 3.5402,
12.7623

195.2137,
208.0630, 323.5449

■ 1.2597, 1.4198,
7.1362

237.6858,

■ 0.1527, 0.2313,

253.1229, 385.3069

3.4677

285.9104,
304.2596, 454.4674

■ 0.0000, 0.0000,
1.3381

■ 0.0000, 0.0000,
0.0927

■ 40.7252, 43.7917,
84.9035

■ 40.7252, 43.7917,
84.9035

■ 35.1721, 37.4385,
83.9707

■ 47.3175, 50.9989,
85.9480

■ 30.5917, 31.8943,
83.1420

■ 55.0013, 59.0921,
87.1052

■ 26.9158, 27.1166,
82.4135

■ 63.8301, 68.1073,
88.3799

■ 24.0643, 23.0554,
81.7799

■ 73.8528, 78.0767,
89.7760

■ 21.9400, 19.6514,
81.2349

■ 85.1151, 89.0310,
91.2968

■ 21.0290, 18.0651,
80.9767

■ 91.5245, 97.8361,
92.6585

■ 91.9956, 98.7782,
92.8155

Harmonies

Analogous

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



35.8350, 43.7917, 77.2721



40.7252, 43.7917, 84.9035



46.3008, 43.7917, 80.8995

Triad

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



40.7252, 43.7917, 84.9035



52.0085, 43.7917, 35.8894



33.4968, 43.7917, 32.3052

Complementary

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



40.7252, 43.7917, 84.9035



55.4320, 53.5565, 28.5366

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.



37.2708, 43.7917, 25.0874



40.7252, 43.7917, 84.9035



48.0023, 43.7917, 26.8129

Square

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



40.7252, 43.7917, 84.9035



53.1384, 43.7917, 50.3179



42.5333, 43.7917, 23.3254



31.9039, 43.7917, 45.1392

Rectangle

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



40.7252, 43.7917, 84.9035



49.6190, 43.7917, 72.5511



42.5333, 43.7917, 23.3254



34.5352, 43.7917, 29.2644

Sweetspot

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



40.7267, 43.7933, 84.9045



78.6887, 83.8467, 106.6444



47.4109, 67.5617, 55.0709



16.3012, 17.4019, 22.7497



0.0000, 0.0000, 0.0000



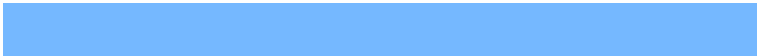
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.7267, 43.7933, 84.9045



42.6049, 45.3796, 101.1214



32.1855, 26.7110, 82.0575



14.8351, 15.7566, 19.1817



11.8303, 10.3076, 45.1090



1.0249, 1.0014, 3.5741

Inverse Universe

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



50.5854, 36.9652, 48.1865



56.3072, 37.5210, 49.7224



67.9996, 78.6915, 32.7258



15.3703, 15.1760, 17.2354



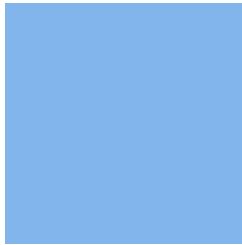
20.8267, 10.5334, 10.1546



1.6838, 0.8465, 1.0525

Previews

White Background



This preview shows how the XYZ color 40.7252, 43.7917, 84.9035 looks on a white background.

Color Contrast Check

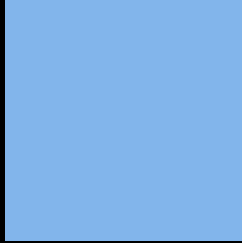
Large Text (above 18pt) WCAG AA × Fail

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 40.7252, 43.7917, 84.9035 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

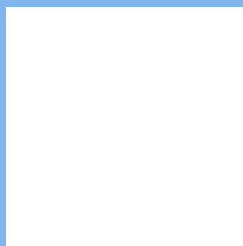
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7252, 43.7917, 84.9035

Background



This preview shows how black text looks on a background with the XYZ color 40.7252, 43.7917, 84.9035.



This preview shows how white text looks on a background with the XYZ color 40.7252, 43.7917,

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

40.7252, 43.7917, 84.9035

Protanopia

44.1169, 43.5623, 80.9461

Deuteranopia

44.7202, 43.7575, 86.2098



Tritanopia

36.3162, 43.8699, 62.4308

Trichromacy



Original Color

40.7252, 43.7917, 84.9035

Protanomaly

42.8653, 43.7545, 82.5302

Deuteranomaly

43.0752, 43.7963, 85.5401

Tritanomaly

37.7987, 43.8380, 70.0877

Monochromacy



Original Color

40.7252, 43.7917, 84.9035

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.0849, 41.7682, 57.6318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7252, 43.7917, 84.9035 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(130, 181, 235)` looks like.

```
.text, #text, p{  
    color:rgb(130, 181, 235)  
}
```

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(130, 181, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 181, 235) }
```

Border

The CSS property to change the border of an element to XYZ 40.7252, 43.7917, 84.9035 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(130, 181, 235) }
```


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

```
.border{ border-color:rgb(130, 181, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 181, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 181, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 181, 235);  
box-shadow:4px 4px 4px 4px rgb(130, 181,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7252, 43.7917, 84.9035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 181, 235) }
```

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

```
.background{ background-color: rgb(130,  
181, 235) }
```

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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