

Converting Colors

XYZ(41.8693, 47.8507, 84.8713)

Have a look what the booklet for
XYZ(41.8693, 47.8507, 84.8713)
contains.

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Color

**XYZ(41.8693, 47.8507,
84.8713)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC0EA
RGB	123, 192, 234
RGB Percent	48%, 75%, 92%
CMY	0.5176, 0.2470, 0.0823
CMYK	0.47, 0.18, 0.00, 0.08
HSL	203°, 73%, 70%
HSV	203°, 47%, 92%
XYZ	41.8693, 47.8507, 84.8713
YIQ	176.1570, -54.6060, -1.5660

Conversions

Conversions Part 2

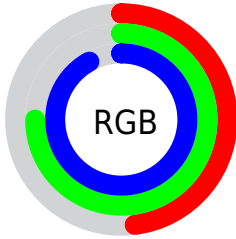
Format	Color
R _Y B	123, 166, 234
Decimal	8110314
CIE Lab	74.73, -10.64, -27.63
CIE LCh	75, 29.607, 248.942
Yxy	47.8507, 0.2398, 0.2741
Android (android.graphics.Color)	4286300394 (0xFF7BC0EA)
YUV	176.1570, 28.5166, -46.6187
Hunter-Lab	69.1742, -13.0136, -24.3222

Details

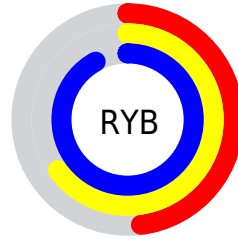
The XYZ color **41.8693, 47.8507, 84.8713** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.9633, 45.8343, 24.9014**, and the grayscale version is **41.2264, 43.3734, 47.2336**.

A 20% lighter version of the original color is **70.4398, 84.0581, 107.1200**, and **19.4485, 22.8034, 45.4959** is the 20% darker color. If you saturate the color by 10%, you get **37.0276, 42.5559, 84.1054**, and if you desaturate by 10%, it is **47.6310, 53.7954, 85.7160**.

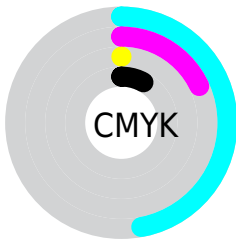
Distribution



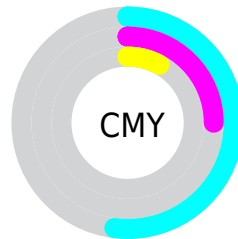
- Red (48%)
- Green (75%)
- Blue (92%)



- Red (48%)
- Yellow (65%)
- Blue (92%)



- Cyan (47%)
- Magenta (18%)
- Yellow (0%)
- Black (8%)



- Cyan (52%)
- Magenta (25%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8693, 47.8507, 84.8713 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 41.8693, 47.8507, 84.8713 by changing the saturation by 10% instead.

■ 41.8693, 47.8507,
84.8713

■ 41.8693, 47.8507,
84.8713

344.9417,
378.2000, 531.3356

■ 29.1896, 33.7087,
63.1855

■ 77.2682, 86.9821,
142.0659

■ 19.3693, 22.6699,
45.5493

■ 100.7181,
112.7402, 178.4118

■ 12.0430, 14.3499,
31.5442

■ 128.4888,
143.1391, 220.4815

■ 6.8454, 8.3645,
20.7517

160.9457,
178.5633, 268.6935

■ 3.4111, 4.3290,
12.7531

198.4540,
219.3971, 323.4664

■ 1.3747, 1.8593,
7.1301

241.3793,

■ 0.2381, 0.5237,

266.0249, 385.2187

3.4639

290.0867,
318.8311, 454.3689

■ 0.0000, 0.0000,
1.3361

■ 0.0000, 0.0000,
0.0911

■ 41.8693, 47.8507,
84.8713

■ 41.8693, 47.8507,
84.8713

■ 37.0276, 42.5559,
84.1054

■ 47.6310, 53.7954,
85.7160

■ 33.0413, 37.8717,
83.4113

■ 54.3623, 60.4156,
86.6390

■ 29.8442, 33.7618,
82.7865

■ 62.1144, 67.7415,
87.6444

■ 27.3568, 30.1821,
82.2267

■ 70.9335, 75.7997,
88.7350

■ 25.4746, 27.0754,
81.7262

■ 80.8628, 84.6152,
89.9133

■ 25.0474, 26.3325,
81.6054

■ 88.7824, 92.5824,
91.0337

■ 91.5273, 98.0723,
91.9487

■ 91.8515, 98.7206,
92.0567

Harmonies

Analogous

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



37.9105, 47.8507, 72.9946



41.8693, 47.8507, 84.8713



47.1052, 47.8507, 87.1282

Triad

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



41.8693, 47.8507, 84.8713



56.4665, 47.8507, 47.6369



39.2923, 47.8507, 32.3135

Complementary

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



41.8693, 47.8507, 84.8713



50.9633, 45.8343, 24.9014

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.



43.8939, 47.8507, 28.0015



41.8693, 47.8507, 84.8713



53.9969, 47.8507, 35.6317

Square

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



41.8693, 47.8507, 84.8713



55.8173, 47.8507, 63.4696



49.2939, 47.8507, 29.0833



36.5061, 47.8507, 42.1786

Rectangle

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



41.8693, 47.8507, 84.8713



50.6647, 47.8507, 82.5134



49.2939, 47.8507, 29.0833



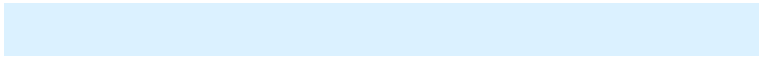
40.6629, 47.8507, 30.2644

Sweetspot

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



41.8709, 47.8525, 84.8724



78.9549, 85.5289, 106.9551



44.2664, 65.7273, 45.3354



16.4190, 17.8637, 22.8326



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.



41.8709, 47.8525, 84.8724



45.0919, 51.8226, 102.2339



32.0811, 28.2729, 81.6092



15.0111, 16.1087, 19.2404



14.2001, 15.0472, 45.8989



1.2072, 1.3659, 3.6349

Inverse Universe

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



50.5304, 35.4657, 54.0532



57.2039, 36.5068, 58.6770



62.8917, 69.6912, 28.8776



15.4592, 15.2115, 17.7033



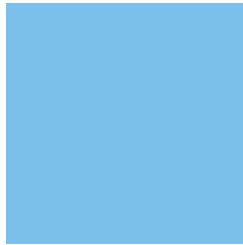
22.0229, 11.0118, 16.4536



1.7758, 0.8833, 1.5370

Previews

White Background



This preview shows how the XYZ color 41.8693, 47.8507, 84.8713 looks on a white background.

Color Contrast Check

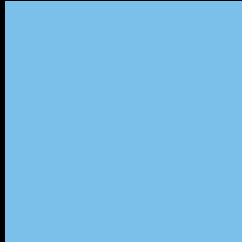
Large Text (above 18pt) WCAG AA × Fail

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 41.8693, 47.8507, 84.8713 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 41.8693, 47.8507, 84.8713

Background



This preview shows how black text looks on a background with the XYZ color 41.8693, 47.8507, 84.8713.



This preview shows how white text looks on a background with the XYZ color 41.8693, 47.8507,

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

41.8693, 47.8507, 84.8713

Protanopia

47.2646, 47.3094, 78.5920

Deuteranopia

48.6206, 47.5276, 86.7319



Tritanopia

38.8261, 47.9463, 69.4956

Trichromacy



Original Color

41.8693, 47.8507, 84.8713

Protanomaly

44.8182, 47.2251, 80.8819

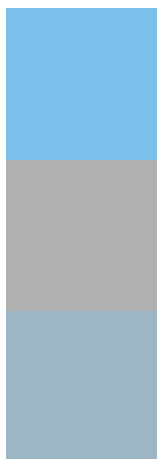
Deuteranomaly

45.6072, 47.2071, 86.0650

Tritanomaly

40.0411, 48.1195, 74.8877

Monochromacy



Original Color

41.8693, 47.8507, 84.8713

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.7106, 44.6552, 59.2970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8693, 47.8507, 84.8713 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(123, 192, 234)` looks like.

```
.text, #text, p{  
    color:rgb(123, 192, 234)  
}
```

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(123, 192, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 192, 234) }
```

Border

The CSS property to change the border of an element to XYZ 41.8693, 47.8507, 84.8713 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(123, 192, 234) }
```


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

```
.border{ border-color:rgb(123, 192, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 192, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 192, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 192, 234);  
box-shadow:4px 4px 4px 4px rgb(123, 192,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8693, 47.8507, 84.8713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 192, 234) }
```

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

```
.background{ background-color: rgb(123,  
192, 234) }
```

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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