

Converting Colors

XYZ(41.6505, 47.4131, 84.7983)

Have a look what the booklet for
XYZ(41.6505, 47.4131, 84.7983)
contains.

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Color

**XYZ(41.6505, 47.4131,
84.7983)**

Conversions

Conversions Part 1

Format	Color
Hex	7BBFEA
RGB	123, 191, 234
RGB Percent	48%, 75%, 92%
CMY	0.5176, 0.2510, 0.0823
CMYK	0.47, 0.18, 0.00, 0.08
HSL	203°, 73%, 70%
HSV	203°, 47%, 92%
XYZ	41.6505, 47.4131, 84.7983
YIQ	175.5700, -54.3310, -1.0430

Conversions

Conversions Part 2

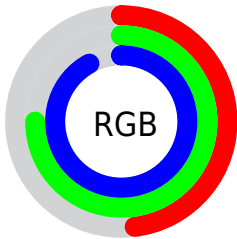
Format	Color
R _Y B	123, 165, 234
Decimal	8110058
CIE Lab	74.45, -10.11, -28.06
CIE LCh	74, 29.820, 250.190
Yxy	47.4131, 0.2396, 0.2727
Android (android.graphics.Color)	4286300138 (0xFF7BBFEA)
YUV	175.5700, 28.8060, -46.1039
Hunter-Lab	68.8572, -12.5285, -24.8162

Details

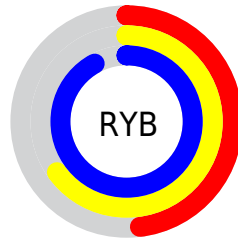
The XYZ color **41.6505, 47.4131, 84.7983** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.1443, 46.1964, 24.9618**, and the grayscale version is **40.9198, 43.0508, 46.8823**.

A 20% lighter version of the original color is **70.1332, 83.4448, 107.0178**, and **19.3043, 22.5151, 45.4479** is the 20% darker color. If you saturate the color by 10%, you get **36.7787, 42.0581, 84.0223**, and if you desaturate by 10%, it is **47.4477, 53.4288, 85.6548**.

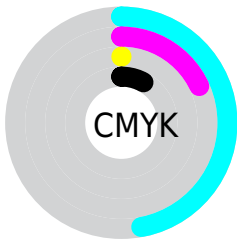
Distribution



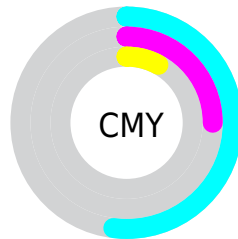
- Red (48%)
- Green (75%)
- Blue (92%)



- 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 41.6505, 47.4131, 84.7983 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 41.6505, 47.4131, 84.7983 by changing the saturation by 10% instead.

■ 41.6505, 47.4131,
84.7983

■ 41.6505, 47.4131,
84.7983

344.0484,
376.4611, 531.0876

■ 29.0176, 33.3623,
63.1255

■ 76.9389, 86.3299,
141.9630

■ 19.2385, 22.4042,
45.5011

■ 100.3251,
111.9648, 178.2920

■ 11.9478, 14.1542,
31.5065

■ 128.0265,
142.2298, 220.3435

■ 6.7801, 8.2280,
20.7232

160.4084,
177.5094, 268.5361

■ 3.3700, 4.2412,
12.7325

197.8362,
218.1879, 323.2882

■ 1.3523, 1.8094,
7.1161

240.6752,

■ 0.2219, 0.4930,

264.6497, 385.0185

3.4552

289.2908,
317.2793, 454.1455

■ 0.0000, 0.0000,
1.3315

■ 0.0000, 0.0000,
0.0874

■ 41.6505, 47.4131,
84.7983

■ 41.6505, 47.4131,
84.7983

■ 36.7787, 42.0581,
84.0223

■ 47.4477, 53.4288,
85.6548

■ 32.7676, 37.3241,
83.3200

■ 54.2200, 60.1311,
86.5915

■ 29.5506, 33.1747,
82.6886

■ 62.0189, 67.5504,
87.6125

■ 27.0484, 29.5652,
82.1238

■ 70.8906, 75.7138,
88.7206

■ 25.1561, 26.4383,
81.6200

■ 80.8784, 84.6464,
89.9184

■ 24.7270, 25.6916,
81.4985

■ 88.8626, 92.7429,
91.0603

■ 91.6784, 98.3745,
91.9990

■ 91.8514, 98.7206,
92.0566

Harmonies

Analogous

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



37.6183, 47.4131, 73.1901



41.6505, 47.4131, 84.7983



46.9189, 47.4131, 86.6003

Triad

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



41.6505, 47.4131, 84.7983



56.0271, 47.4131, 46.5610



38.7159, 47.4131, 32.1463

Complementary

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



41.6505, 47.4131, 84.7983



51.1443, 46.1964, 24.9618

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.



43.2600, 47.4131, 27.6196



41.6505, 47.4131, 84.7983



53.4341, 47.4131, 34.7756

Square

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



41.6505, 47.4131, 84.7983



55.5098, 47.4131, 62.3252



48.6606, 47.4131, 28.4753



36.0197, 47.4131, 42.2251

Rectangle

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



41.6505, 47.4131, 84.7983



50.4670, 47.4131, 81.6850



48.6606, 47.4131, 28.4753



40.0624, 47.4131, 30.0255

Sweetspot

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



41.6521, 47.4149, 84.7994



78.8595, 85.3382, 106.9233



44.4343, 65.7944, 46.2198



16.3957, 17.8171, 22.8249



0.0000, 0.0000, 0.0000



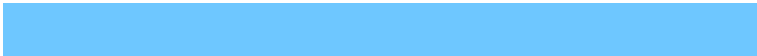
20.3446, 21.4041, 23.3091

Same Dimension

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



41.6521, 47.4149, 84.7994



44.7900, 51.2186, 102.1332



31.8184, 27.7475, 81.5215



14.9994, 16.0852, 19.2365



14.0207, 14.6884, 45.8391



1.1938, 1.3391, 3.6304

Inverse Universe

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



50.4200, 35.4216, 53.4716



57.0515, 36.4458, 57.8744



63.3776, 70.6630, 29.0396



15.4532, 15.2091, 17.6720



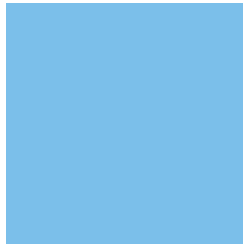
21.9323, 10.9756, 15.9767



1.7691, 0.8806, 1.5013

Previews

White Background



This preview shows how the XYZ color 41.6505, 47.4131, 84.7983 looks on a white background.

Color Contrast Check

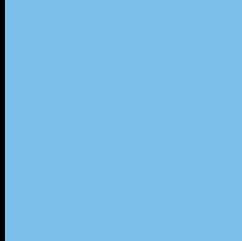
Large Text (above 18pt) WCAG AA × Fail

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 41.6505, 47.4131, 84.7983 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 41.6505, 47.4131, 84.7983

Background



This preview shows how black text looks on a background with the XYZ color 41.6505, 47.4131, 84.7983.

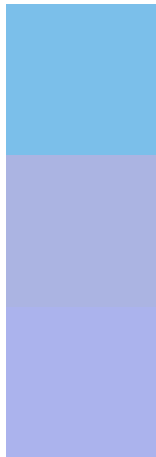


This preview shows how white text looks on a background with the XYZ color 41.6505, 47.4131,

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

41.6505, 47.4131, 84.7983

Protanopia

46.8433, 46.7914, 78.5142

Deuteranopia

48.2007, 47.0126, 86.6546



Tritanopia

38.4754, 47.4464, 68.7582

Trichromacy



Original Color

41.6505, 47.4131, 84.7983

Protanomaly

44.6098, 46.8081, 80.8124

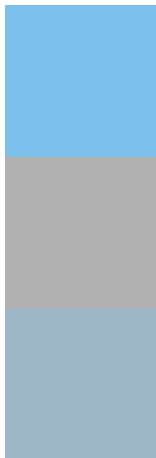
Deuteranomaly

45.4002, 46.7931, 85.9960

Tritanomaly

39.6857, 47.6200, 74.1178

Monochromacy



Original Color

41.6505, 47.4131, 84.7983

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.5065, 44.2471, 59.2289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6505, 47.4131, 84.7983 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, 191, 234)` looks like.

```
.text, #text, p{  
    color:rgb(123, 191, 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, 191, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 191, 234) }
```

Border

The CSS property to change the border of an element to XYZ 41.6505, 47.4131, 84.7983 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, 191, 234) }
```


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

```
.border{ border-color:rgb(123, 191, 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, 191, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 191, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 191, 234);  
box-shadow:4px 4px 4px 4px rgb(123, 191,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6505, 47.4131, 84.7983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 191, 234) }
```

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

```
.background{ background-color: rgb(123,  
191, 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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