

Converting Colors

XYZ(41.3812, 47.9831, 75.6832)

Have a look what the booklet for
XYZ(41.3812, 47.9831, 75.6832)
contains.

XYZ(41.4812, 48.1857, 75.5211)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.4812, 48.1857,
75.5211)**

Conversions

Conversions Part 1

Format	Color
Hex	83C1DD
RGB	131, 193, 221
RGB Percent	51%, 76%, 87%
CMY	0.4863, 0.2431, 0.1333
CMYK	0.41, 0.13, 0.00, 0.13
HSL	199°, 57%, 69%
HSV	199°, 41%, 87%
XYZ	41.4812, 48.1857, 75.5211
YIQ	177.6540, -45.9400, -4.4360

Conversions

Conversions Part 2

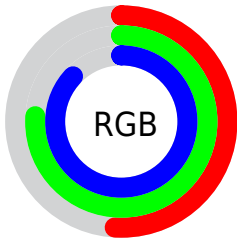
Format	Color
RYB	131, 168, 221
Decimal	8634845
CIELab	74.94, -12.73, -20.24
CIELCh	75, 23.910, 237.839
Yxy	48.1857, 0.2511, 0.2917
Android (android.graphics.Color)	4286824925 (0xFF83C1DD)
YUV	177.6540, 21.3696, -40.9156
Hunter-Lab	69.4159, -14.8108, -15.9135

Details

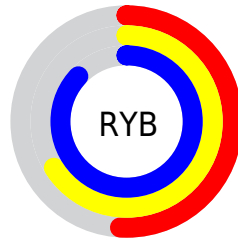
The XYZ color **41.4812, 48.1857, 75.5211** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.3146, 41.8081, 27.1029**, and the grayscale version is **42.0436, 44.2332, 48.1699**.

A 20% lighter version of the original color is **72.4192, 85.5362, 107.3010**, and **19.0960, 22.7549, 39.4621** is the 20% darker color. If you saturate the color by 10%, you get **36.9321, 43.6375, 74.8838**, and if you desaturate by 10%, it is **46.8340, 53.2553, 76.2184**.

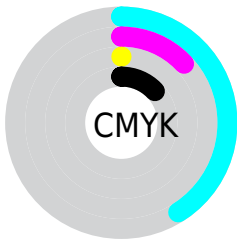
Distribution



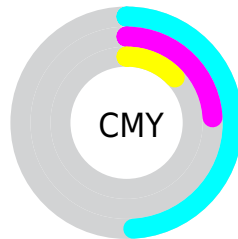
- Red (51%)
- Green (76%)
- Blue (87%)



- Red (51%)
- Yellow (66%)
- Blue (87%)



- Cyan (41%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)



- Cyan (49%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4812, 48.1857, 75.5211 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 41.4812, 48.1857, 75.5211 by changing the saturation by 10% instead.

■ 41.4812, 48.1857,
75.5211

■ 41.4812, 48.1857,
75.5211

343.3561,
379.5277, 499.0099

■ 28.8846, 33.9740,
55.5356

■ 76.6839, 87.4808,
128.8036

■ 19.1374, 22.8736,
39.4292

■ 100.0208,
113.3330, 162.9377

■ 11.8742, 14.5002,
26.7834

■ 127.6684,
143.8341, 202.6250

■ 6.7297, 8.4694,
17.1796

159.9922,
179.3686, 248.2842

■ 3.3384, 4.3967,
10.1993

197.3576,
220.3208, 300.3338

■ 1.3352, 1.8979,
5.4240

240.1297,

■ 0.2093, 0.5471,

267.0751, 359.1922

2.4351

288.6741,
320.0160, 425.2780

■ 0.0000, 0.0000,
0.8054

■ 0.0000, 0.0000,
0.0000

■ 41.4812, 48.1857,
75.5211

■ 41.4812, 48.1857,
75.5211

■ 36.9321, 43.6375,
74.8838

■ 46.8340, 53.2553,
76.2184

■ 33.1343, 39.5790,
74.3006


■ 53.0296, 58.8646,
76.9745


■ 30.0362, 35.9832,
73.7699


■ 60.1099, 65.0376,
77.7929


■ 27.5769, 32.8174,
73.2884


■ 68.1124, 71.7950,
78.6754


 25.6842, 30.0427,
72.8526


 77.0725, 79.1564,
79.6240

 24.3199, 27.7577,
72.4835

 83.7868, 85.4715,
80.4891

 85.7852, 89.4683,
81.1552

 87.8604, 93.6188,
81.8470

 90.0133, 97.9246,
82.5646

Harmonies

Analogous

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



38.7807, 48.1857, 64.4919



41.4812, 48.1857, 75.5211



45.4838, 48.1857, 80.2917

Triad

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



41.4812, 48.1857, 75.5211



54.6948, 48.1857, 53.3764



41.9957, 48.1857, 33.9751

Complementary

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



41.4812, 48.1857, 75.5211



46.3146, 41.8081, 27.1029

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.



46.1158, 48.1857, 31.9503



41.4812, 48.1857, 75.5211



53.6169, 48.1857, 42.0366

Square

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



41.4812, 48.1857, 75.5211



53.2666, 48.1857, 66.3076



50.4066, 48.1857, 34.6571



39.0643, 48.1857, 40.6987

Rectangle

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



41.4812, 48.1857, 75.5211



48.4147, 48.1857, 78.7913



50.4066, 48.1857, 34.6571



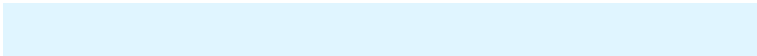
43.2793, 48.1857, 32.7741

Sweetspot

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



41.4827, 48.1876, 75.5222



81.7125, 88.7272, 107.4271



41.3893, 59.0079, 41.5574



17.2034, 18.7440, 22.9612



0.0000, 0.0000, 0.0000



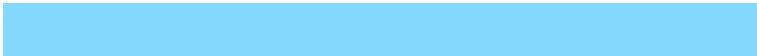
20.3446, 21.4041, 23.3091

Same Dimension

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



41.4827, 48.1876, 75.5222



51.8524, 61.1474, 103.6775



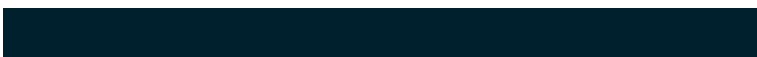
33.1600, 31.5421, 72.7480



13.0854, 14.1105, 16.6861



14.2328, 16.3350, 42.1412



0.9975, 1.2092, 2.7553

Inverse Universe

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



47.5620, 35.4564, 54.7910



61.6406, 42.2031, 69.9500



55.2725, 59.7239, 30.0888



13.4330, 13.2023, 15.5412



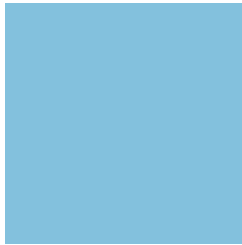
20.6794, 10.2728, 18.4895



1.3778, 0.6808, 1.3984

Previews

White Background



This preview shows how the XYZ color 41.4812, 48.1857, 75.5211 looks on a white background.

Color Contrast Check

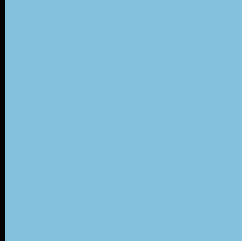
Large Text (above 18pt) WCAG AA × Fail

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 41.4812, 48.1857, 75.5211 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 41.4812, 48.1857, 75.5211

Background



This preview shows how black text looks on a background with the XYZ color 41.4812, 48.1857, 75.5211.



This preview shows how white text looks on a background with the XYZ color 41.4812, 48.1857,

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

41.4812, 48.1857, 75.5211

Protanopia

47.2256, 47.7759, 70.3509

Deuteranopia

49.0672, 47.9694, 77.1939



Tritanopia

40.0501, 48.2726, 68.1794

Trichromacy



Original Color

41.4812, 48.1857, 75.5211

Protanomaly

44.7812, 47.7046, 72.4933

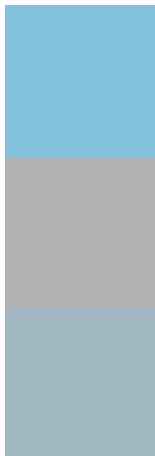
Deuteranomaly

45.7725, 47.8122, 76.6282

Tritanomaly

40.4826, 48.1057, 70.7700

Monochromacy



Original Color

41.4812, 48.1857, 75.5211

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.3690, 45.3391, 57.6099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4812, 48.1857, 75.5211 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(131, 193, 221)` looks like.

```
.text, #text, p{  
    color:rgb(131, 193, 221)  
}
```

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(131, 193, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 193, 221) }
```

Border

The CSS property to change the border of an element to XYZ 41.4812, 48.1857, 75.5211 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(131, 193, 221) }
```


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

```
.border{ border-color:rgb(131, 193, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 193, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 193, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 193, 221);  
box-shadow:4px 4px 4px 4px rgb(131, 193,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4812, 48.1857, 75.5211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 193, 221) }
```

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

```
.background{ background-color: rgb(131,  
193, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor