

Converting Colors

XYZ(42.3043, 47.4176, 99.8513)

Have a look what the booklet for
XYZ(42.3043, 47.4176, 99.8513)
contains.

XYZ(42.3043, 47.4176, 99.8513)	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(42.3043, 47.4176,
99.8513)**

Conversions

Conversions Part 1

Format	Color
Hex	6ABFFD
RGB	106, 191, 253
RGB Percent	42%, 75%, 99%
CMY	0.5843, 0.2510, 0.0078
CMYK	0.58, 0.25, 0.00, 0.01
HSL	205°, 97%, 70%
HSV	205°, 58%, 99%
XYZ	42.3043, 47.4176, 99.8513
YIQ	172.6530, -70.5620, 1.2620

Conversions

Conversions Part 2

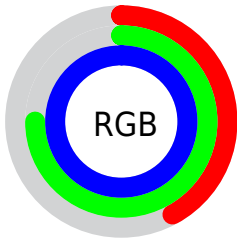
Format	Color
RYB	106, 160, 253
Decimal	6995965
CIELab	74.46, -8.14, -38.35
CIELCh	74, 39.206, 258.015
Yxy	47.4176, 0.2232, 0.2501
Android (android.graphics.Color)	4285186045 (0xFF6ABFFD)
YUV	172.6530, 39.6111, -58.4547
Hunter-Lab	68.8604, -10.8446, -37.7713

Details

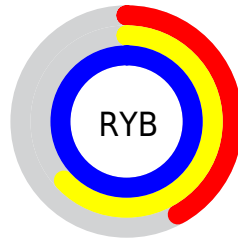
The XYZ color **42.3043, 47.4176, 99.8513** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.1141, 49.9312, 20.2653**, and the grayscale version is **39.3763, 41.4269, 45.1139**.

A 20% lighter version of the original color is **67.2471, 81.9570, 106.8827**, and **19.6479, 22.4696, 55.5261** is the 20% darker color. If you saturate the color by 10%, you get **37.4864, 41.6049, 98.9842**, and if you desaturate by 10%, it is **48.1817, 54.0299, 100.8188**.

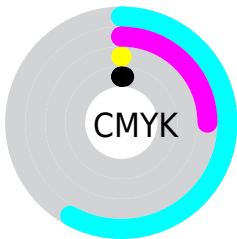
Distribution



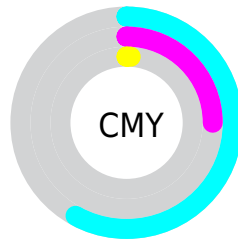
- Red (42%)
- Green (75%)
- Blue (99%)



- Red (42%)
- Yellow (63%)
- Blue (99%)



- Cyan (58%)
- Magenta (25%)
- Yellow (0%)
- Black (1%)



- Cyan (58%)
- Magenta (25%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3043, 47.4176, 99.8513 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 42.3043, 47.4176, 99.8513 by changing the saturation by 10% instead.

■ 42.3043, 47.4176,
99.8513

■ 42.3043, 47.4176,
99.8513

346.7130,
376.4790, 580.9584

■ 29.5318, 33.3659,
75.5602

■ 77.9222, 86.3366,
163.0029

■ 19.6298, 22.4069,
55.5674

■ 101.4984,
111.9728, 202.7005

■ 12.2329, 14.1562,
39.4545

■ 129.4064,
142.2392, 248.3706

■ 6.9758, 8.2294,
26.8030

162.0118,
177.5202, 300.4318

■ 3.4932, 4.2421,
17.1942

199.6798,
218.2003, 359.3027

■ 1.4196, 1.8099,
10.2096

242.7757,

■ 0.2701, 0.4933,

264.6639, 425.4017

5.4307

291.6650,
317.2953, 499.1474

■ 0.0000, 0.0000,
2.4390

■ 0.0000, 0.0000,
0.8076

■ 42.3043, 47.4176,
99.8513

■ 42.3043, 47.4176,
99.8513

■ 37.4864, 41.6049,
98.9842

■ 48.1817, 54.0299,
100.8188

■ 33.6389, 36.5380,
98.2090

■ 55.1878, 61.4801,
101.8875

■ 30.6647, 32.1622,
97.5211

■ 63.3914, 69.8095,
103.0629

■ 28.4299, 28.4028,
96.9133

■ 72.8539, 79.0547,
104.3487

■ 28.0536, 27.7395,
96.8051

■ 83.6322, 89.2498,
105.7484

94.7298, 99.8719,
107.2138

Harmonies

Analogous

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



36.5724, 47.4176, 86.3170



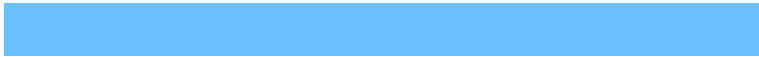
42.3043, 47.4176, 99.8513



49.4057, 47.4176, 98.2149

Triad

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



42.3043, 47.4176, 99.8513



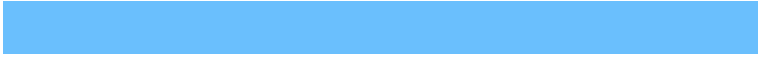
59.2738, 47.4176, 40.5000



35.6997, 47.4176, 29.7179

Complementary

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



42.3043, 47.4176, 99.8513



57.1141, 49.9312, 20.2653

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.



40.9938, 47.4176, 22.7484



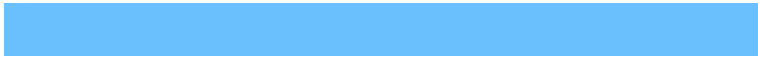
42.3043, 47.4176, 99.8513



54.7891, 47.4176, 27.7587

Square

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



42.3043, 47.4176, 99.8513



59.7192, 47.4176, 60.1447



47.9516, 47.4176, 22.1401



33.0351, 47.4176, 43.9589

Rectangle

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



42.3043, 47.4176, 99.8513



53.9713, 47.4176, 88.7827



47.9516, 47.4176, 22.1401



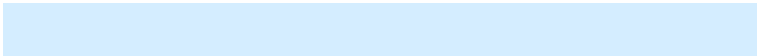
37.2038, 47.4176, 26.6278

Sweetspot

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



42.3059, 47.4193, 99.8525



75.3026, 81.5691, 106.3833



48.0691, 76.1153, 48.8412



15.6745, 17.0333, 22.7116



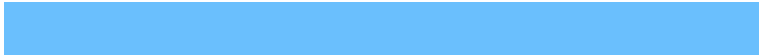
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.3059, 47.4193, 99.8525



37.3337, 41.3037, 100.6125



30.1834, 23.1741, 95.8116



17.8754, 19.1224, 22.9988



15.0708, 15.0511, 51.5454



1.5756, 1.6819, 5.0549

Inverse Universe

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



55.0675, 34.9542, 53.1362



52.0680, 29.7816, 46.0308



74.4921, 84.6873, 26.0579



18.4498, 18.1632, 20.9856



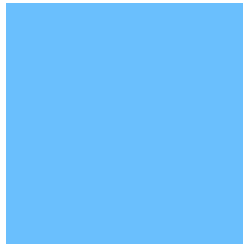
24.3952, 12.2474, 15.9976



2.4299, 1.2143, 1.8452

Previews

White Background



This preview shows how the XYZ color 42.3043, 47.4176, 99.8513 looks on a white background.

Color Contrast Check

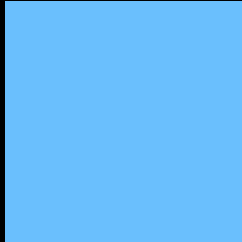
Large Text (above 18pt) WCAG AA × Fail

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 42.3043, 47.4176, 99.8513 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

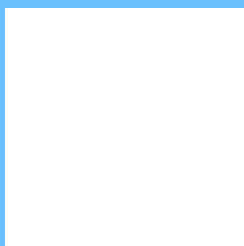
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3043, 47.4176, 99.8513

Background



This preview shows how black text looks on a background with the XYZ color 42.3043, 47.4176, 99.8513.



This preview shows how white text looks on a background with the XYZ color 42.3043, 47.4176,

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

42.3043, 47.4176, 99.8513

Protanopia

47.9602, 47.0667, 92.1450

Deuteranopia

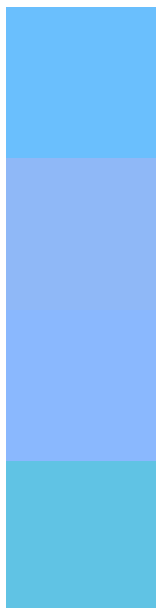
48.2759, 47.0306, 101.1411



Tritanopia

36.5481, 47.4169, 70.8444

Trichromacy



Original Color

42.3043, 47.4176, 99.8513

Protanomaly

45.2567, 46.8360, 94.6507

Deuteranomaly

45.5111, 46.8400, 100.4083

Tritanomaly

38.3426, 47.1184, 80.4727

Monochromacy



Original Color

42.3043, 47.4176, 99.8513

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.3764, 43.2963, 62.1588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3043, 47.4176, 99.8513 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(106, 191, 253)` looks like.

```
.text, #text, p{  
    color:rgb(106, 191, 253)  
}
```

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(106, 191, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 191, 253) }
```

Border

The CSS property to change the border of an element to XYZ 42.3043, 47.4176, 99.8513 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(106, 191, 253) }
```


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

```
.border{ border-color:rgb(106, 191, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 191, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 191, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 191, 253);  
box-shadow:4px 4px 4px 4px rgb(106, 191,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3043, 47.4176, 99.8513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 191, 253) }
```

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

```
.background{ background-color: rgb(106,  
191, 253) }
```

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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