

Converting Colors

XYZ(41.7644, 50.1651,
102.0894)

Have a look what the booklet for
XYZ(41.7644, 50.1651, 102.0894)
contains.

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Color

**XYZ(41.7648, 50.1063,
102.0780)**

Conversions

Conversions Part 1

Format	Color
Hex	4DC8FF
RGB	77, 200, 255
RGB Percent	30%, 78%, 100%
CMY	0.6980, 0.2157, 0.0000
CMYK	0.70, 0.22, 0.00, 0.00
HSL	199°, 100%, 65%
HSV	199°, 70%, 100%
XYZ	41.7648, 50.1063, 102.0780
YIQ	169.4930, -90.9630, -8.9710

Conversions

Conversions Part 2

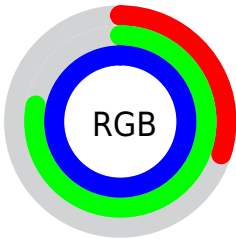
Format	Color
RYB	77, 150, 255
Decimal	5097727
CIELab	76.13, -17.01, -36.89
CIElCh	76, 40.622, 245.252
Yxy	50.1063, 0.2153, 0.2583
Android (android.graphics.Color)	4283287807 (0xFF4DC8FF)
YUV	169.4930, 42.1550, -81.1164
Hunter-Lab	70.7858, -18.5572, -35.9502

Details

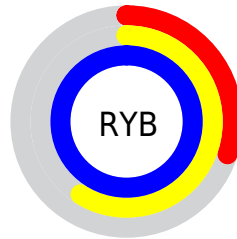
The XYZ color **41.7648, 50.1063, 102.0780** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **50.8324, 38.3008, 11.7369**, and the grayscale version is **37.7882, 39.7561, 43.2944**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **20.4719, 24.6350, 57.1021** is the 20% darker color. If you saturate the color by 10%, you get **38.3178, 45.6906, 101.4073**, and if you desaturate by 10%, it is **46.1147, 55.1289, 102.8182**.

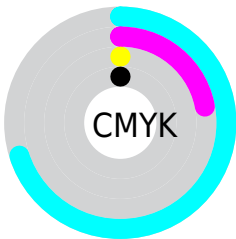
Distribution



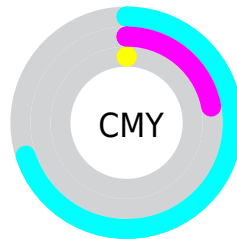
- Red (30%)
- Green (78%)
- Blue (100%)



- Red (30%)
- Yellow (59%)
- Blue (100%)



- Cyan (70%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7648, 50.1063, 102.0780 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 41.7648, 50.1063, 102.0780 by changing the saturation by 10% instead.

41.7648, 50.1063,
102.0780

41.7648, 50.1063,
102.0780

344.5153,
387.0815, 588.1381

29.1075, 35.4979,
77.4106

77.1109, 90.3324,
166.0866

19.3068, 24.0466,
57.0763

100.5305,
116.7188, 206.2649

11.9975, 15.3682,
40.6568

128.2681,
147.8000, 252.4505

6.8142, 9.0782,
27.7333

160.6892,
183.9603, 305.0621

3.3915, 4.7922,
17.8874

198.1591,
225.5843, 364.5181

1.3640, 2.1259,
10.7006

241.0432,

0.2304, 0.6791,

273.0562, 431.2370

5.7543

289.7068,
326.7605, 505.6375

■ 0.0000, 0.0000,
2.6299

■ 0.0000, 0.0000,
0.9078

■ 41.7648, 50.1063,
102.0780

■ 41.7648, 50.1063,
102.0780

■ 38.3178, 45.6906,
101.4073

■ 46.1147, 55.1289,
102.8182

■ 35.6675, 41.8222,
100.8004

■ 51.4485, 60.7995,
103.6316

■ 33.6533, 38.4171,
100.2493

■ 57.8427, 67.1605,
104.5224

■ 33.6159, 38.3518,
100.2386

■ 65.3646, 74.2483,
105.4940

■ 74.0757, 82.0967,
106.5498

■ 84.0327, 90.7369,
107.6927

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



36.6593, 50.1063, 82.4552



41.7648, 50.1063, 102.0780



48.9748, 50.1063, 107.7499

Triad

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



41.7648, 50.1063, 102.0780



63.7101, 50.1063, 50.8151



39.6778, 50.1063, 27.0188

Complementary

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



41.7648, 50.1063, 102.0780



50.8324, 38.3008, 11.7369

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.



46.2993, 50.1063, 22.5912



41.7648, 50.1063, 102.0780



60.5835, 50.1063, 33.7902

Square

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



41.7648, 50.1063, 102.0780



62.1677, 50.1063, 74.0213



54.0082, 50.1063, 24.6910



35.5472, 50.1063, 38.8446

Rectangle

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



41.7648, 50.1063, 102.0780



54.1350, 50.1063, 101.8420



54.0082, 50.1063, 24.6910



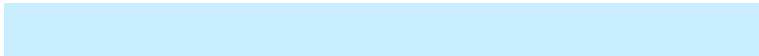
41.6582, 50.1063, 24.7828

Sweetspot

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



41.7663, 50.1080, 102.0782



72.9653, 81.1134, 106.4185



42.8782, 74.7209, 33.4255



15.0853, 16.8867, 22.7143



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.



41.7663, 50.1080, 102.0782



37.1140, 44.0024, 101.1449



26.9730, 20.5214, 97.1471



18.0535, 19.4786, 23.0582



17.7038, 20.3172, 52.4231



1.8209, 2.1725, 5.1366

Inverse Universe

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



54.3203, 30.7396, 57.7155



51.1911, 26.4981, 50.4547



68.0165, 72.6691, 17.4649



18.5397, 18.1992, 21.4590



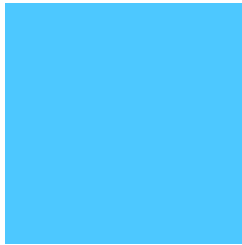
25.7243, 12.7790, 22.9962



2.5537, 1.2639, 2.4973

Previews

White Background



This preview shows how the XYZ color 41.7648, 50.1063, 102.0780 looks on a white background.

Color Contrast Check

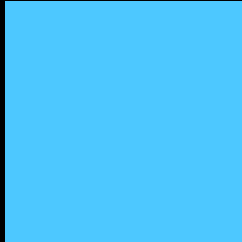
Large Text (above 18pt) WCAG AA × Fail

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 41.7648, 50.1063, 102.0780 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

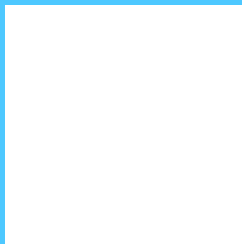
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7648, 50.1063, 102.0780

Background



This preview shows how black text looks on a background with the XYZ color 41.7648, 50.1063, 102.0780.



This preview shows how white text looks on a background with the XYZ color 41.7648, 50.1063,

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

41.7648, 50.1063, 102.0780

Protanopia

50.1127, 49.4100, 91.6899

Deuteranopia

50.5003, 49.3935, 101.4800



Tritanopia

36.9661, 50.2826, 77.5692

Trichromacy



Original Color

41.7648, 50.1063, 102.0780

Protanomaly

45.5185, 48.8607, 95.0277

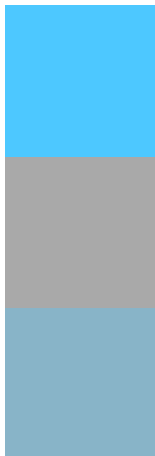
Deuteranomaly

45.9792, 48.9524, 101.6331

Tritanomaly

38.6382, 50.2407, 86.2582

Monochromacy



Original Color

41.7648, 50.1063, 102.0780

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.8999, 42.0469, 60.8146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7648, 50.1063, 102.0780 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(77, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 200, 255)  
}
```

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(77, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 200, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.7648, 50.1063, 102.0780 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(77, 200, 255) }
```


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

```
.border{ border-color:rgb(77, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 200,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7648, 50.1063, 102.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 200, 255) }
```

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

```
.background{ background-color: rgb(77, 200,  
255) }
```

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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