

Converting Colors

XYZ(40.9242, 48.4808,
101.8085)

Have a look what the booklet for
XYZ(40.9242, 48.4808, 101.8085)
contains.

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Color

**XYZ(40.8505, 48.2776,
101.7732)**

Conversions

Conversions Part 1

Format	Color
Hex	4DC4FF
RGB	77, 196, 255
RGB Percent	30%, 77%, 100%
CMY	0.6980, 0.2314, 0.0000
CMYK	0.70, 0.23, 0.00, 0.00
HSL	200°, 100%, 65%
HSV	200°, 70%, 100%
XYZ	40.8505, 48.2776, 101.7732
YIQ	167.1450, -89.8630, -6.8790

Conversions

Conversions Part 2

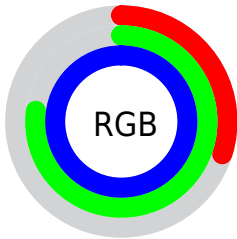
Format	Color
RYB	77, 148, 255
Decimal	5096703
CIELab	75.00, -14.91, -38.65
CIElCh	75, 41.428, 248.908
Yxy	48.2776, 0.2140, 0.2529
Android (android.graphics.Color)	4283286783 (0xFF4DC4FF)
YUV	167.1450, 43.3125, -79.0572
Hunter-Lab	69.4821, -16.6484, -38.2070

Details

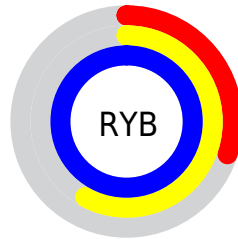
The XYZ color **40.8505, 48.2776, 101.7732** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **51.3855, 39.4070, 11.9214**, and the grayscale version is **36.6304, 38.5380, 41.9679**.

A 20% lighter version of the original color is **64.8523, 83.4903, 107.3049**, and **19.8660, 23.4232, 56.9002** is the 20% darker color. If you saturate the color by 10%, you get **37.3284, 43.7116, 101.0775**, and if you desaturate by 10%, it is **45.2888, 53.4771, 102.5429**.

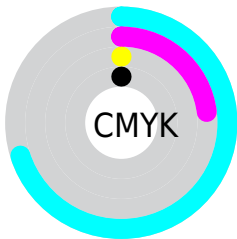
Distribution



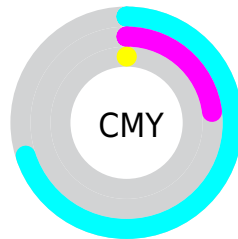
- Red (30%)
- Green (77%)
- Blue (100%)



- Red (30%)
- Yellow (58%)
- Blue (100%)



- Cyan (70%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8505, 48.2776, 101.7732 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 40.8505, 48.2776, 101.7732 by changing the saturation by 10% instead.

40.8505, 48.2776,
101.7732

40.8505, 48.2776,
101.7732

340.7687,
379.8914, 587.1580

28.3894, 34.0468,
77.1571

75.7330, 87.6176,
165.6649

18.7614, 22.9295,
56.8695

98.8852, 113.4955,
205.7776

11.6010, 14.5415,
40.4918

126.3318,
144.0246, 251.8930

6.5428, 8.4982,
27.6055

158.4382,
179.5893, 304.4295

3.2216, 4.4154,
17.7921

195.5697,
220.5739, 363.8057

1.2720, 1.9085,
10.6329

238.0918,

0.1621, 0.5535,

267.3629, 430.4402

5.7095

286.3696,
320.3406, 504.7515

■ 0.0000, 0.0000,
2.6033

■ 0.0000, 0.0000,
0.8942

■ 40.8505, 48.2776,
101.7732

■ 40.8505, 48.2776,
101.7732

■ 37.3284, 43.7116,
101.0775

■ 45.2888, 53.4771,
102.5429

■ 34.6159, 39.7191,
100.4498

■ 50.7248, 59.3520,
103.3903

■ 32.5524, 36.2152,
99.8823

■ 57.2353, 65.9453,
104.3198

■ 32.5140, 36.1480,
99.8713

■ 64.8878, 73.2943,
105.3350

■ 73.7441, 81.4332,
106.4392

■ 83.8613, 90.3937,
107.6355

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.



35.4769, 48.2776, 83.2958



40.8505, 48.2776, 101.7732



48.1748, 48.2776, 105.3681

Triad

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



40.8505, 48.2776, 101.7732



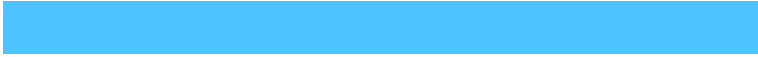
61.8014, 48.2776, 46.3783



37.3470, 48.2776, 26.3655

Complementary

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



40.8505, 48.2776, 101.7732



51.3855, 39.4070, 11.9214

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.



43.6716, 48.2776, 21.2266



40.8505, 48.2776, 101.7732



58.1557, 48.2776, 30.5107

Square

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



40.8505, 48.2776, 101.7732



60.8324, 48.2776, 69.0199



51.3201, 48.2776, 22.5010



33.6139, 48.2776, 38.9601

Rectangle

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



40.8505, 48.2776, 101.7732



53.2798, 48.2776, 98.0923



51.3201, 48.2776, 22.5010



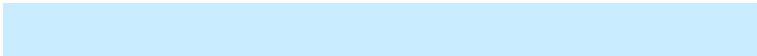
39.2107, 48.2776, 23.8911

Sweetspot

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



40.8520, 48.2792, 101.7734



72.6151, 80.4131, 106.3018



43.0811, 74.8021, 34.4940



15.0016, 16.7192, 22.6864



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.



40.8520, 48.2792, 101.7734



36.0968, 41.9680, 100.8059



26.6490, 19.8733, 97.0391



18.0178, 19.4072, 23.0463



17.1320, 19.1735, 52.2325



1.7684, 2.0675, 5.1191

Inverse Universe

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



53.8588, 30.5551, 55.2850



50.6777, 26.2927, 47.7510



68.7993, 74.2347, 17.7260



18.5216, 18.1920, 21.3641



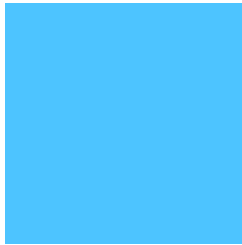
25.4356, 12.6635, 21.4763



2.5272, 1.2533, 2.3577

Previews

White Background



This preview shows how the XYZ color 40.8505, 48.2776, 101.7732 looks on a white background.

Color Contrast Check

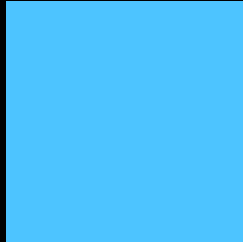
Large Text (above 18pt) WCAG AA × Fail

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 40.8505, 48.2776, 101.7732 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

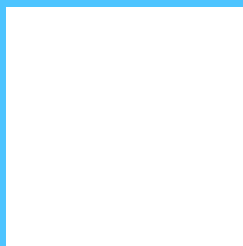
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8505, 48.2776, 101.7732

Background



This preview shows how black text looks on a background with the XYZ color 40.8505, 48.2776, 101.7732.

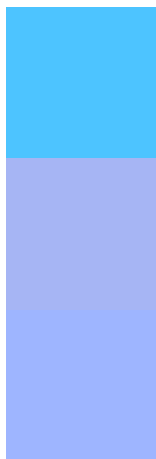


This preview shows how white text looks on a background with the XYZ color 40.8505, 48.2776,

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

40.8505, 48.2776, 101.7732

Protanopia

48.5789, 47.6864, 92.2320

Deuteranopia

48.6744, 47.5368, 101.2179



Tritanopia

35.5583, 48.5564, 74.5160

Trichromacy



Original Color

40.8505, 48.2776, 101.7732

Protanomaly

44.3337, 46.9635, 95.5352

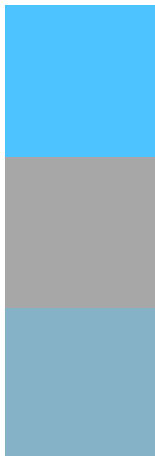
Deuteranomaly

44.6622, 47.0049, 101.3267

Tritanomaly

37.1442, 48.1268, 83.6756

Monochromacy



Original Color

40.8505, 48.2776, 101.7732

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.0607, 41.0326, 60.0523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8505, 48.2776, 101.7732 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, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 196, 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, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.8505, 48.2776, 101.7732 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, 196, 255) }
```


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

```
.border{ border-color:rgb(77, 196, 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, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8505, 48.2776, 101.7732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 196, 255) }
```

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

```
.background{ background-color: rgb(77, 196,  
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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