

Converting Colors

XYZ(44.2641, 48.0575,
101.5508)

Have a look what the booklet for
XYZ(44.2641, 48.0575, 101.5508)
contains.

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Color

**XYZ(44.2092, 48.0400,
101.5503)**

Conversions

Conversions Part 1

Format	Color
Hex	78BEFF
RGB	120, 190, 255
RGB Percent	47%, 75%, 100%
CMY	0.5294, 0.2549, 0.0000
CMYK	0.53, 0.25, 0.00, 0.00
HSL	209°, 100%, 74%
HSV	209°, 53%, 100%
XYZ	44.2092, 48.0400, 101.5503
YIQ	176.4800, -62.5850, 5.3750

Conversions

Conversions Part 2

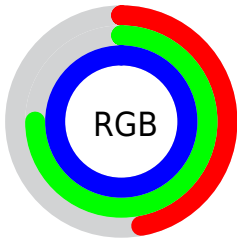
Format	Color
R _Y B	120, 166, 255
Decimal	7913215
CIE Lab	74.85, -4.19, -38.77
CIE LCh	75, 38.994, 263.826
Yxy	48.0400, 0.2281, 0.2479
Android (android.graphics.Color)	4286103295 (0xFF78BEFF)
YUV	176.4800, 38.7104, -49.5330
Hunter-Lab	69.3109, -7.4398, -38.3506

Details

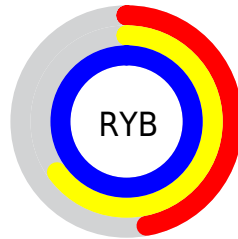
The XYZ color **44.2092, 48.0400, 101.5503** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.9803, 57.3157, 25.5677**, and the grayscale version is **41.3464, 43.4996, 47.3711**.

A 20% lighter version of the original color is **69.5962, 82.7152, 106.9053**, and **20.8260, 22.8384, 56.7367** is the 20% darker color. If you saturate the color by 10%, you get **38.5839, 41.3580, 100.5570**, and if you desaturate by 10%, it is **51.0030, 55.6588, 102.6628**.

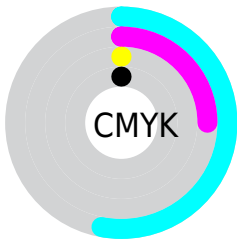
Distribution



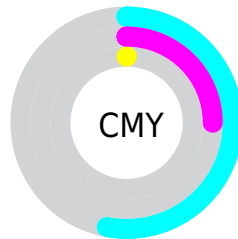
- Red (47%)
- Green (75%)
- Blue (100%)



- Red (47%)
- Yellow (65%)
- Blue (100%)



- Cyan (53%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2092, 48.0400, 101.5503 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 44.2092, 48.0400, 101.5503 by changing the saturation by 10% instead.

■ 44.2092, 48.0400,
101.5503

■ 44.2092, 48.0400,
101.5503

354.3991,
378.9507, 586.4408

■ 31.0336, 33.8586,
76.9718

■ 80.7768, 87.2640,
165.3564

■ 20.7764, 22.7850,
56.7183

■ 104.8996,
113.0753, 205.4212

■ 13.0722, 14.4348,
40.3713

■ 133.4022,
143.5320, 251.4851

■ 7.5556, 8.4237,
27.5122

166.6499,
179.0185, 303.9666

■ 3.8613, 4.3672,
17.7224

205.0081,
219.9193, 363.2845

■ 1.6240, 1.8810,
10.5835

248.8421,

■ 0.4080, 0.5369,

266.6186, 429.8571

5.6769

298.5173,
319.5009, 504.1030

■ 0.0000, 0.0000,
2.5840

■ 0.0000, 0.0000,
0.8842

■ 44.2092, 48.0400,
101.5503

■ 44.2092, 48.0400,
101.5503

■ 38.5839, 41.3580,
100.5570

■ 51.0030, 55.6588,
102.6628

■ 34.0406, 35.5573,
99.6769

■ 59.0342, 64.2550,
103.8988

■ 30.4866, 30.5825,
98.9039

■ 68.3713, 73.8725,
105.2630

■ 27.8085, 26.3664,
98.2313

■ 79.0761, 84.5505,
106.7599

■ 26.3314, 23.7827,
97.8105

■ 91.2064, 96.3259,
108.3934

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.



38.0735, 48.0400, 90.6023



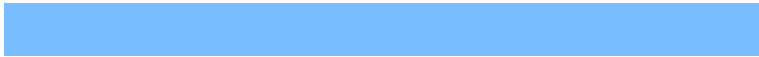
44.2092, 48.0400, 101.5503



51.3952, 48.0400, 96.7981

Triad

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



44.2092, 48.0400, 101.5503



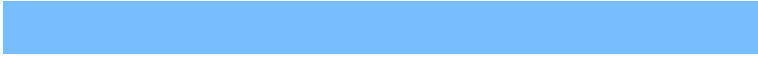
59.3094, 48.0400, 38.0608



35.5112, 48.0400, 32.4720

Complementary

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



44.2092, 48.0400, 101.5503



61.9803, 57.3157, 25.5677

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.



40.3692, 48.0400, 24.0923



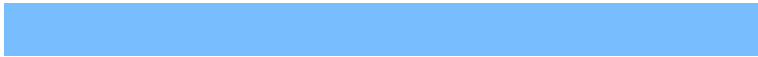
44.2092, 48.0400, 101.5503



54.1940, 48.0400, 26.6860

Square

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



44.2092, 48.0400, 101.5503



60.6084, 48.0400, 56.6224



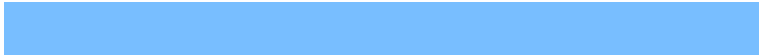
47.1434, 48.0400, 22.2889



33.3978, 48.0400, 48.2174

Rectangle

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



44.2092, 48.0400, 101.5503



55.7722, 48.0400, 85.8549



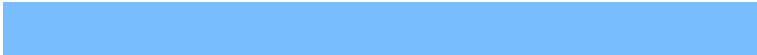
47.1434, 48.0400, 22.2889



36.8516, 48.0400, 28.8831

Sweetspot

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



44.2107, 48.0417, 101.5506



75.6502, 81.1667, 106.2873



52.0542, 78.9326, 57.2936



15.7151, 16.8982, 22.6834



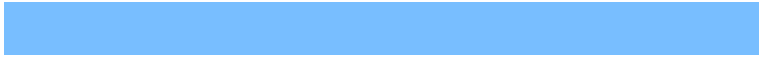
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



44.2107, 48.0417, 101.5506



38.0519, 40.7014, 100.4583



33.0679, 25.7561, 97.8363



17.7822, 18.9360, 22.9677



13.9091, 12.7278, 51.1582



1.4637, 1.4581, 5.0176

Inverse Universe

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



57.2518, 38.4123, 53.1136



52.9281, 32.0310, 44.6865



78.9718, 91.2987, 31.2315



18.4027, 18.1444, 20.7378



23.8089, 12.0128, 12.9099



2.3734, 1.1917, 1.5479

Previews

White Background



This preview shows how the XYZ color 44.2092, 48.0400, 101.5503 looks on a white background.

Color Contrast Check

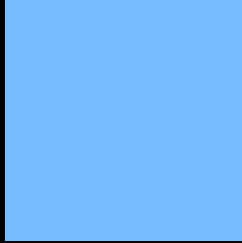
Large Text (above 18pt) WCAG AA × Fail

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 44.2092, 48.0400, 101.5503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

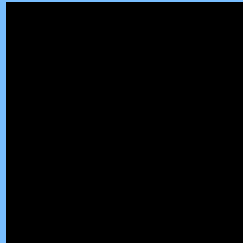
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

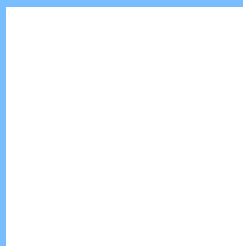
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.2092, 48.0400, 101.5503

Background



This preview shows how black text looks on a background with the XYZ color 44.2092, 48.0400, 101.5503.



This preview shows how white text looks on a background with the XYZ color 44.2092, 48.0400,

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

44.2092, 48.0400, 101.5503

Protanopia

48.7770, 47.7176, 95.4465

Deuteranopia

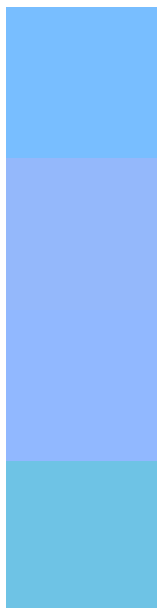
48.8719, 47.6387, 101.2271



Tritanopia

38.1574, 48.2465, 70.9197

Trichromacy



Original Color

44.2092, 48.0400, 101.5503

Protanomaly

46.7658, 47.5419, 97.9785

Deuteranomaly

46.8675, 47.5207, 101.3100

Tritanomaly

40.0884, 48.0024, 81.2812

Monochromacy



Original Color

44.2092, 48.0400, 101.5503

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.2536, 44.5234, 64.1772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2092, 48.0400, 101.5503 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(120, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 190, 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(120, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 190, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.2092, 48.0400, 101.5503 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(120, 190, 255) }
```


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

```
.border{ border-color:rgb(120, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 190,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2092, 48.0400, 101.5503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 190, 255) }
```

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

```
.background{ background-color: rgb(120,  
190, 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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