

Converting Colors

XYZ(44.6318, 48.2579,
101.5701)

Have a look what the booklet for
XYZ(44.6318, 48.2579, 101.5701)
contains.

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Color

**XYZ(44.6318, 48.2579,
101.5701)**

Conversions

Conversions Part 1

Format	Color
Hex	7BBEFF
RGB	123, 190, 255
RGB Percent	48%, 75%, 100%
CMY	0.5176, 0.2549, 0.0000
CMYK	0.52, 0.25, 0.00, 0.00
HSL	210°, 100%, 74%
HSV	210°, 52%, 100%
XYZ	44.6318, 48.2579, 101.5701
YIQ	177.3770, -60.7970, 6.0110

Conversions

Conversions Part 2

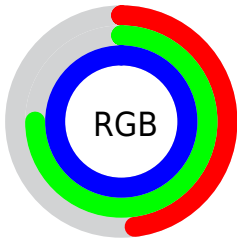
Format	Color
R _Y B	123, 167, 255
Decimal	8109823
CIE Lab	74.99, -3.55, -38.54
CIE LCh	75, 38.707, 264.731
Yxy	48.2579, 0.2295, 0.2482
Android (android.graphics.Color)	4286299903 (0xFF7BBEFF)
YUV	177.3770, 38.2681, -47.6886
Hunter-Lab	69.4679, -6.8860, -38.0613

Details

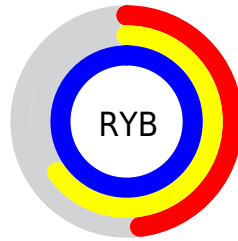
The XYZ color **44.6318, 48.2579, 101.5701** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.7993, 58.6578, 26.7530**, and the grayscale version is **41.8175, 43.9953, 47.9108**.

A 20% lighter version of the original color is **70.2972, 83.0766, 106.9381**, and **21.0632, 22.9606, 56.7478** is the 20% darker color. If you saturate the color by 10%, you get **38.8443, 41.4101, 100.5534**, and if you desaturate by 10%, it is **51.6065, 56.0674, 102.7099**.

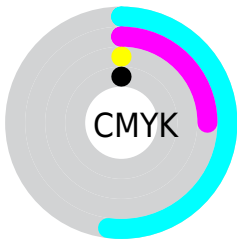
Distribution



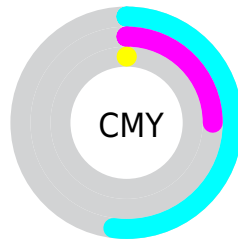
- Red (48%)
- Green (75%)
- Blue (100%)



- Red (48%)
- Yellow (65%)
- Blue (100%)



- Cyan (52%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6318, 48.2579, 101.5701 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 44.6318, 48.2579, 101.5701 by changing the saturation by 10% instead.

■ 44.6318, 48.2579,
101.5701

■ 44.6318, 48.2579,
101.5701

356.0891,
379.8135, 586.5045

■ 31.3675, 34.0312,
76.9883

■ 81.4081, 87.5883,
165.3838

■ 21.0321, 22.9175,
56.7317

■ 105.6508,
113.4607, 205.4528

■ 13.2601, 14.5326,
40.3820

■ 134.2838,
143.9838, 251.5213

■ 7.6861, 8.4920,
27.5204

167.6723,
179.5420, 304.0078

■ 3.9449, 4.4114,
17.7286

206.1817,
220.5197, 363.3308

■ 1.6710, 1.9062,
10.5879

250.1774,

■ 0.4380, 0.5521,

267.3012, 429.9089

5.6798

300.0248,
320.2710, 504.1606

■ 0.0000, 0.0000,
2.5857

■ 0.0000, 0.0000,
0.8851

■ 44.6318, 48.2579,
101.5701

■ 44.6318, 48.2579,
101.5701

■ 38.8443, 41.4101,
100.5534

■ 51.6065, 56.0674,
102.7099

■ 34.1581, 35.4683,
99.6535

■ 59.8370, 64.8796,
103.9770

■ 30.4819, 30.3773,
98.8646

■ 69.3912, 74.7386,
105.3764

■ 27.7047, 26.0702,
98.1796

■ 80.3310, 85.6842,
106.9126

■ 25.9573, 23.0346,
97.6858

■ 92.7139, 97.7536,
108.5895

95.0500, 100.0000,
108.9000

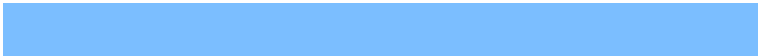
Harmonies

Analogous

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



38.4643, 48.2579, 91.1268



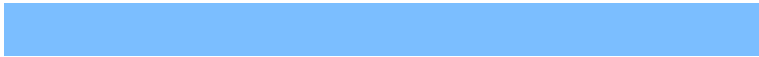
44.6318, 48.2579, 101.5701



51.7872, 48.2579, 96.3805

Triad

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



44.6318, 48.2579, 101.5701



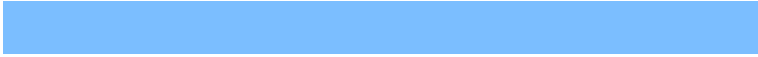
59.3418, 48.2579, 37.8947



35.6491, 48.2579, 33.1340

Complementary

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



44.6318, 48.2579, 101.5701



62.7993, 58.6578, 26.7530

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.



40.4174, 48.2579, 24.5431



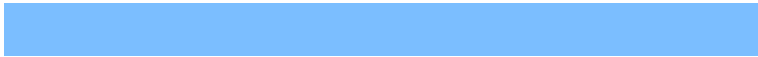
44.6318, 48.2579, 101.5701



54.1649, 48.2579, 26.7568

Square

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



44.6318, 48.2579, 101.5701



60.7638, 48.2579, 56.1980



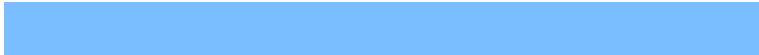
47.1262, 48.2579, 22.5510



33.6297, 48.2579, 49.0532

Rectangle

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



44.6318, 48.2579, 101.5701



56.1049, 48.2579, 85.3025



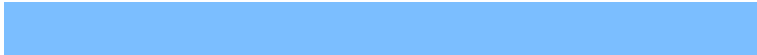
47.1262, 48.2579, 22.5510



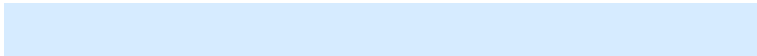
36.9583, 48.2579, 29.4737

Sweetspot

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



44.6333, 48.2596, 101.5703



75.5223, 80.9109, 106.2447



52.8778, 79.3108, 59.4248



15.6846, 16.8373, 22.6732



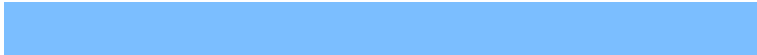
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



44.6333, 48.2596, 101.5703



38.7205, 41.2587, 100.5307



33.5789, 26.1507, 97.8855



17.7652, 18.9020, 22.9621



13.7131, 12.3357, 51.0929



1.4445, 1.4197, 5.0112

Inverse Universe

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



57.6183, 39.1452, 53.2359



53.4560, 32.9711, 45.2189



79.8777, 92.8146, 32.4458



18.3941, 18.1410, 20.6926



23.7099, 11.9733, 12.3888



2.3637, 1.1879, 1.4968

Previews

White Background



This preview shows how the XYZ color 44.6318, 48.2579, 101.5701 looks on a white background.

Color Contrast Check

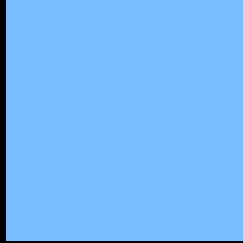
Large Text (above 18pt) WCAG AA × Fail

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 44.6318, 48.2579, 101.5701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

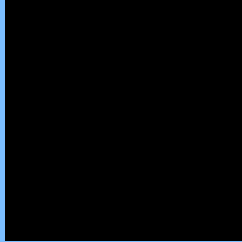
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

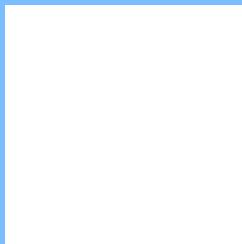
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.6318, 48.2579, 101.5701

Background



This preview shows how black text looks on a background with the XYZ color 44.6318, 48.2579, 101.5701.



This preview shows how white text looks on a background with the XYZ color 44.6318, 48.2579,

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

44.6318, 48.2579, 101.5701

Protanopia

48.9842, 47.8244, 95.4562

Deuteranopia

49.0760, 48.0468, 101.2951



Tritanopia

38.6384, 48.4944, 70.9422

Trichromacy



Original Color

44.6318, 48.2579, 101.5701

Protanomaly

47.1308, 47.7300, 97.9955

Deuteranomaly

47.2530, 48.0289, 101.3877

Tritanomaly

40.5974, 48.2648, 81.3051

Monochromacy



Original Color

44.6318, 48.2579, 101.5701

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.6520, 45.0318, 64.2543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6318, 48.2579, 101.5701 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(123, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 190, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.6318, 48.2579, 101.5701 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(123, 190, 255) }
```


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

```
.border{ border-color:rgb(123, 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(123, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 190, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 190, 255); box-shadow:4px 4px 4px 4px rgb(123, 190, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6318, 48.2579, 101.5701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 190, 255) }
```

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

```
.background{ background-color: rgb(123,  
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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