

Converting Colors

XYZ(53.5948, 48.6526,
149.5497)

Have a look what the booklet for
XYZ(53.5948, 48.6526, 149.5497)
contains.

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Color

**XYZ(44.3629, 45.0134,
100.9580)**

Conversions

Conversions Part 1

Format	Color
Hex	87B4FF
RGB	135, 180, 255
RGB Percent	53%, 71%, 100%
CMY	0.4706, 0.2941, 0.0000
CMYK	0.47, 0.29, 0.00, 0.00
HSL	218°, 100%, 76%
HSV	218°, 47%, 100%
XYZ	44.3629, 45.0134, 100.9580
YIQ	175.0950, -50.8950, 13.7850

Conversions

Conversions Part 2

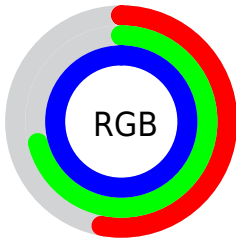
Format	Color
RYB	135, 168, 255
Decimal	8893695
CIELab	72.90, 4.66, -41.75
CIElCh	73, 42.007, 276.365
Yxy	45.0134, 0.2331, 0.2365
Android (android.graphics.Color)	4287083775 (0xFF87B4FF)
YUV	175.0950, 39.3932, -35.1633
Hunter-Lab	67.0920, 0.6175, -42.2533

Details

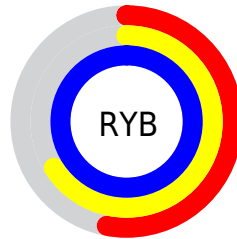
The XYZ color **44.3629, 45.0134, 100.9580** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.6607, 69.1038, 32.6432**, and the grayscale version is **40.6195, 42.7349, 46.5383**.

A 20% lighter version of the original color is **70.0378, 78.5484, 106.0777**, and **20.9728, 21.0933, 56.3921** is the 20% darker color. If you saturate the color by 10%, you get **37.7061, 37.0776, 99.7771**, and if you desaturate by 10%, it is **52.3749, 54.1987, 102.3087**.

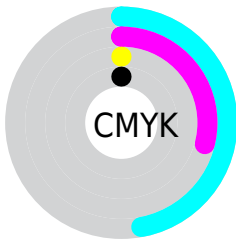
Distribution



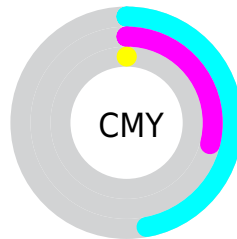
- Red (53%)
- Green (71%)
- Blue (100%)



- Red (53%)
- Yellow (66%)
- Blue (100%)



- Cyan (47%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3629, 45.0134, 100.9580 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 44.3629, 45.0134, 100.9580 by changing the saturation by 10% instead.

■ 44.3629, 45.0134,
100.9580

■ 44.3629, 45.0134,
100.9580

355.0144,
366.8278, 584.5327

■ 31.1550, 31.4680,
76.4795

■ 81.0065, 82.7405,
164.5364

■ 20.8693, 20.9555,
56.3168

■ 105.1730,
107.6910, 204.4734

■ 13.1404, 13.0915,
40.0513

■ 133.7230,
137.2120, 250.4003

■ 7.6030, 7.4916,
27.2644

167.0220,
171.6878, 302.7357

■ 3.8916, 3.7714,
17.5377

205.4353,
211.5029, 361.8981

■ 1.6410, 1.5465,
10.4526

249.3282,

■ 0.4189, 0.3211,

257.0417, 428.3060

5.5906

299.0661,
308.6885, 502.3780

■ 0.0000, 0.0000,
2.5330

■ 0.0000, 0.0000,
0.8576

■ 44.3629, 45.0134,
100.9580

■ 44.3629, 45.0134,
100.9580

■ 37.7061, 37.0776,
99.7771

■ 52.3749, 54.1987,
102.3087

■ 32.3166, 30.3249,
98.7578

■ 61.8140, 64.6858,
103.8354

■ 28.1015, 24.6889,
97.8921

■ 72.7517, 76.5290,
105.5449

■ 24.9519, 20.0925,
97.1709

■ 85.2533, 89.7784,
107.4434

■ 22.7314, 16.4433,
96.5835

95.0500, 100.0000,
108.9000

■ 22.1986, 15.5173,
96.4329

Harmonies

Analogous

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



37.3873, 45.0134, 95.9726



44.3629, 45.0134, 100.9580



51.6807, 45.0134, 89.1484

Triad

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



44.3629, 45.0134, 100.9580



55.1436, 45.0134, 28.7911



31.1450, 45.0134, 34.5670

Complementary

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



44.3629, 45.0134, 100.9580



68.6607, 69.1038, 32.6432

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.



34.9716, 45.0134, 23.1974



44.3629, 45.0134, 100.9580



48.6762, 45.0134, 20.5885

Square

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



44.3629, 45.0134, 100.9580



58.3463, 45.0134, 44.6787



41.2428, 45.0134, 18.8815



30.2685, 45.0134, 53.6167

Rectangle

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



44.3629, 45.0134, 100.9580



55.6004, 45.0134, 74.8914



41.2428, 45.0134, 18.8815



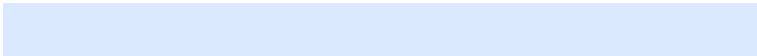
32.1058, 45.0134, 29.9087

Sweetspot

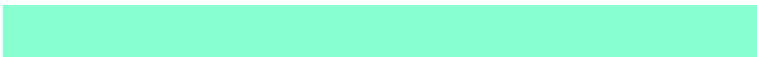
The Sweet Spot groups the original color and five complimentary colors.



44.3643, 45.0150, 100.9582



76.4042, 80.4276, 106.1049



57.2614, 81.2749, 72.9925



15.7985, 16.6229, 22.6258



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.



44.3643, 45.0150, 100.9582



38.3483, 37.8593, 99.8941



39.1100, 30.9394, 98.5183



17.5611, 18.4937, 22.8940



11.7307, 8.3710, 50.4321



1.2430, 1.0167, 4.9440

Inverse Universe

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



58.1432, 41.8848, 48.2016



53.9162, 35.6365, 39.9928



76.4094, 91.9703, 36.6484



18.2911, 18.0998, 20.1500



22.7093, 11.5730, 7.1197



2.2620, 1.1472, 0.9612

Previews

White Background



This preview shows how the XYZ color 44.3629, 45.0134, 100.9580 looks on a white background.

Color Contrast Check

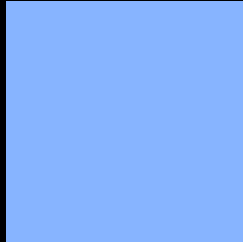
Large Text (above 18pt) WCAG AA × Fail

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 44.3629, 45.0134, 100.9580 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

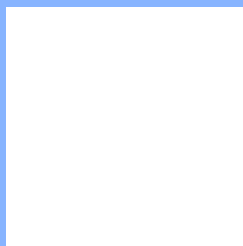
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.3629, 45.0134, 100.9580

Background



This preview shows how black text looks on a background with the XYZ color 44.3629, 45.0134, 100.9580.



This preview shows how white text looks on a background with the XYZ color 44.3629, 45.0134,

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

44.3629, 45.0134, 100.9580

Protanopia

46.6136, 45.0475, 98.3337

Deuteranopia

46.1666, 45.0538, 100.8708



Tritanopia

37.1786, 45.2278, 64.5279

Trichromacy



Original Color

44.3629, 45.0134, 100.9580

Protanomaly

45.6645, 44.8320, 99.1752

Deuteranomaly

45.4720, 44.9901, 100.8951

Tritanomaly

39.3356, 44.8055, 76.3872

Monochromacy



Original Color

44.3629, 45.0134, 100.9580

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.1184, 43.2775, 63.3130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3629, 45.0134, 100.9580 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(135, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 180, 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(135, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.3629, 45.0134, 100.9580 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(135, 180, 255) }
```


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

```
.border{ border-color:rgb(135, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3629, 45.0134, 100.9580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 180, 255) }
```

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

```
.background{ background-color: rgb(135,  
180, 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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