

Converting Colors

XYZ(44.5336, 47.4599, 94.0036)

Have a look what the booklet for
XYZ(44.5336, 47.4599, 94.0036)
contains.

XYZ(44.5582, 47.4287, 93.9950)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.5582, 47.4287,
93.9950)**

Conversions

Conversions Part 1

Format	Color
Hex	88BBF6
RGB	136, 187, 246
RGB Percent	53%, 73%, 96%
CMY	0.4666, 0.2667, 0.0353
CMYK	0.45, 0.24, 0.00, 0.04
HSL	212°, 86%, 75%
HSV	212°, 45%, 96%
XYZ	44.5582, 47.4287, 93.9950
YIQ	178.4770, -49.3350, 7.5370

Conversions

Conversions Part 2

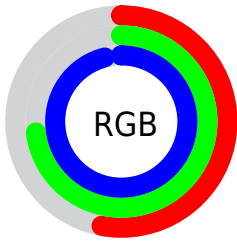
Format	Color
R _Y B	136, 171, 246
Decimal	8961014
CIE Lab	74.46, -1.51, -34.46
CIE LCh	74, 34.496, 267.493
Yxy	47.4287, 0.2396, 0.2550
Android (android.graphics.Color)	4287151094 (0xFF88BBF6)
YUV	178.4770, 33.2888, -37.2523
Hunter-Lab	68.8685, -5.0296, -32.7139

Details

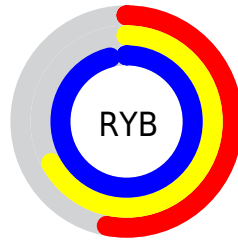
The XYZ color **44.5582, 47.4287, 93.9950** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.9664, 60.4022, 31.6871**, and the grayscale version is **42.4187, 44.6278, 48.5996**.

A 20% lighter version of the original color is **72.0929, 82.6586, 106.7628**, and **20.9349, 22.3866, 51.3618** is the 20% darker color. If you saturate the color by 10%, you get **38.3404, 40.2578, 92.9395**, and if you desaturate by 10%, it is **51.9532, 55.5901, 95.1814**.

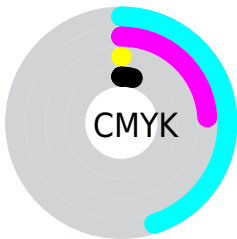
Distribution



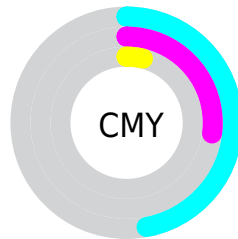
- Red (53%)
- Green (73%)
- Blue (96%)



- Red (53%)
- Yellow (67%)
- Blue (96%)



- Cyan (45%)
- Magenta (24%)
- Yellow (0%)
- Black (4%)



- Cyan (47%)
- Magenta (27%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5582, 47.4287, 93.9950 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 44.5582, 47.4287, 93.9950 by changing the saturation by 10% instead.

■ 44.5582, 47.4287,
93.9950

■ 44.5582, 47.4287,
93.9950

355.7952,
376.5231, 561.8445

■ 31.3094, 33.3747,
70.7065

■ 81.2982, 86.3532,
154.8590

■ 20.9875, 22.4136,
51.6224

■ 105.5201,
111.9924, 193.2717

■ 13.2273, 14.1611,
36.3240

■ 134.1304,
142.2622, 237.5628

■ 7.6633, 8.2328,
24.3929

167.4944,
177.5470, 288.1510

■ 3.9303, 4.2443,
15.4104

205.9775,
218.2310, 345.4547

■ 1.6628, 1.8111,
8.9581

249.9451,

■ 0.4328, 0.4941,

264.6988, 409.8924

4.6174

299.7626,
317.3347, 481.8829

■ 0.0000, 0.0000,
1.9698

■ 0.0000, 0.0000,
0.5366

■ 44.5582, 47.4287,
93.9950

■ 44.5582, 47.4287,
93.9950

■ 38.3404, 40.2578,
92.9395

■ 51.9532, 55.5901,
95.1814

■ 33.2245, 34.0257,
92.0062

■ 60.5848, 64.7798,
96.5003

■ 29.1332, 28.6827,
91.1905

■ 70.5138, 75.0394,
97.9573

■ 25.9757, 24.1708,
90.4861

■ 81.7954, 86.4066,
99.5567

■ 23.6418, 20.4215,
89.8854

■ 92.9925, 98.1494,
101.2332

■ 22.6583, 18.7009,
89.6051

■ 93.6347, 99.4339,
101.4473

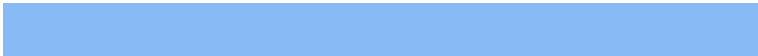
Harmonies

Analogous

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



38.9507, 47.4287, 86.2631



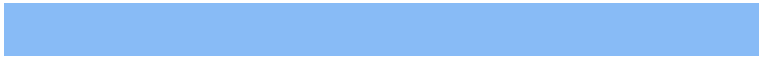
44.5582, 47.4287, 93.9950



50.8314, 47.4287, 88.3906

Triad

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



44.5582, 47.4287, 93.9950



56.5474, 47.4287, 37.3839



35.7238, 47.4287, 35.3296

Complementary

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



44.5582, 47.4287, 93.9950



61.9664, 60.4022, 31.6871

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.



39.7789, 47.4287, 26.8198



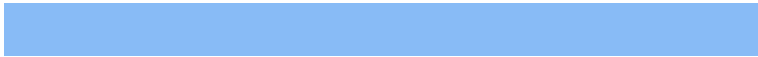
44.5582, 47.4287, 93.9950



51.8198, 47.4287, 27.7999

Square

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



44.5582, 47.4287, 93.9950



58.1200, 47.4287, 53.1553



45.6050, 47.4287, 24.4164



34.1520, 47.4287, 50.1573

Rectangle

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



44.5582, 47.4287, 93.9950



54.4873, 47.4287, 78.4263



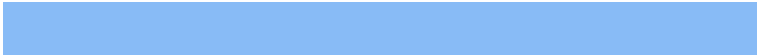
45.6050, 47.4287, 24.4164



36.8223, 47.4287, 31.7771

Sweetspot

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



44.5598, 47.4305, 93.9961



78.4761, 83.4215, 106.5736



52.9232, 75.0721, 63.1351



16.2488, 17.2972, 22.7322



0.0000, 0.0000, 0.0000



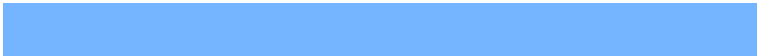
20.3446, 21.4041, 23.3091

Same Dimension

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



44.5598, 47.4305, 93.9961



41.9794, 44.1285, 100.9128



36.1995, 29.8105, 91.0358



16.2144, 17.1931, 21.0066



12.2312, 10.2561, 47.8730



1.1767, 1.1049, 4.2415

Inverse Universe

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



55.7812, 40.7907, 51.9488



55.9914, 37.3947, 48.0597



74.1333, 86.6264, 36.1077



16.8188, 16.6104, 18.7924



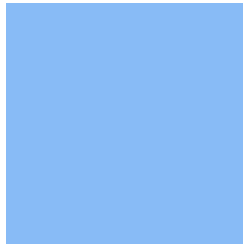
21.9782, 11.1347, 9.8597



1.9830, 0.9992, 1.1370

Previews

White Background



This preview shows how the XYZ color 44.5582, 47.4287, 93.9950 looks on a white background.

Color Contrast Check

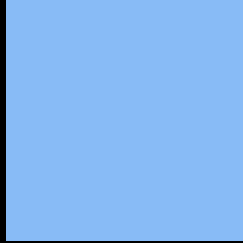
Large Text (above 18pt) WCAG AA × Fail

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 44.5582, 47.4287, 93.9950 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

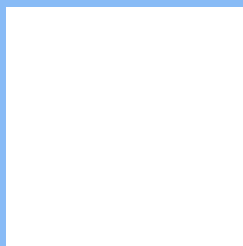
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.5582, 47.4287, 93.9950

Background



This preview shows how black text looks on a background with the XYZ color 44.5582, 47.4287, 93.9950.



This preview shows how white text looks on a background with the XYZ color 44.5582, 47.4287,

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

44.5582, 47.4287, 93.9950

Protanopia

47.9243, 47.1004, 89.7845

Deuteranopia

48.5744, 47.3123, 95.3790



Tritanopia

39.2579, 47.5470, 67.4300

Trichromacy



Original Color

44.5582, 47.4287, 93.9950

Protanomaly

46.6287, 47.3066, 91.4675

Deuteranomaly

47.0484, 47.4524, 94.6752

Tritanomaly

40.8689, 47.2027, 76.0642

Monochromacy



Original Color

44.5582, 47.4287, 93.9950

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.4076, 45.1461, 62.9789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5582, 47.4287, 93.9950 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(136, 187, 246)` looks like.

```
.text, #text, p{  
    color:rgb(136, 187, 246)  
}
```

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(136, 187, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 187, 246) }
```

Border

The CSS property to change the border of an element to XYZ 44.5582, 47.4287, 93.9950 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(136, 187, 246) }
```


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

```
.border{ border-color:rgb(136, 187, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 187, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 187, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 187, 246);  
box-shadow:4px 4px 4px 4px rgb(136, 187,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5582, 47.4287, 93.9950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 187, 246) }
```

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

```
.background{ background-color: rgb(136,  
187, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor