

Converting Colors

XYZ(40.1443, 43.9576, 93.3383)

Have a look what the booklet for
XYZ(40.1443, 43.9576, 93.3383)
contains.

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Color

**XYZ(40.1236, 43.9003,
93.5476)**

Conversions

Conversions Part 1

Format	Color
Hex	6FB7F6
RGB	111, 183, 246
RGB Percent	44%, 72%, 96%
CMY	0.5647, 0.2823, 0.0353
CMYK	0.55, 0.26, 0.00, 0.04
HSL	208°, 88%, 70%
HSV	208°, 55%, 96%
XYZ	40.1236, 43.9003, 93.5476
YIQ	168.6540, -63.1350, 4.3290

Conversions

Conversions Part 2

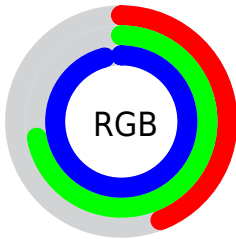
Format	Color
R _Y B	111, 158, 246
Decimal	7321590
CIE Lab	72.16, -4.93, -38.13
CIE LCh	72, 38.446, 262.636
Yxy	43.9003, 0.2260, 0.2472
Android (android.graphics.Color)	4285511670 (0xFF6FB7F6)
YUV	168.6540, 38.1316, -50.5626
Hunter-Lab	66.2573, -7.8556, -37.3305

Details

The XYZ color **40.1236, 43.9003, 93.5476** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.0131, 51.0150, 21.9356**, and the grayscale version is **37.3829, 39.3298, 42.8301**.

A 20% lighter version of the original color is **65.4941, 77.4991, 106.1147**, and **18.2501, 20.1973, 51.0807** is the 20% darker color. If you saturate the color by 10%, you get **35.1718, 37.9752, 92.6658**, and if you desaturate by 10%, it is **46.1237, 50.6541, 94.5358**.

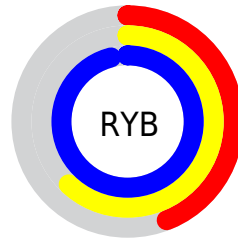
Distribution



Red (44%)

Green (72%)

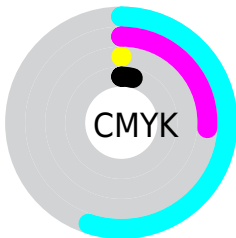
Blue (96%)



Red (44%)

Yellow (62%)

Blue (96%)

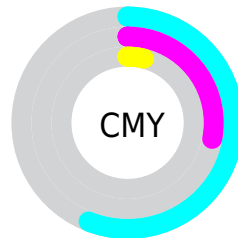


Cyan (55%)

Magenta (26%)

Yellow (0%)

Black (4%)



Cyan (56%)

Magenta (28%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1236, 43.9003, 93.5476 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 40.1236, 43.9003, 93.5476 by changing the saturation by 10% instead.

■ 40.1236, 43.9003,
93.5476

■ 40.1236, 43.9003,
93.5476

337.7697,
362.3013, 560.3699

■ 27.8196, 30.5921,
70.3365

■ 74.6348, 81.0677,
154.2348

■ 18.3294, 20.2885,
51.3224

■ 97.5727, 105.6957,
192.5480

■ 11.2879, 12.6049,
36.0868

■ 124.7860,
134.8658, 236.7323

■ 6.3295, 7.1571,
24.2110

156.6399,
168.9624, 287.2063

■ 3.0890, 3.5605,
15.2766

193.4999,
208.3698, 344.3886

■ 1.2010, 1.4309,
8.8649

235.7313,

■ 0.1072, 0.2393,

253.4725, 408.6975

4.5576

283.6995,
304.6549, 480.5518

■ 0.0000, 0.0000,
1.9360

■ 0.0000, 0.0000,
0.5155

■ 40.1236, 43.9003,
93.5476

■ 40.1236, 43.9003,
93.5476

■ 35.1718, 37.9752,
92.6658

■ 46.1237, 50.6541,
94.5358

■ 31.1873, 32.8280,
91.8823

■ 53.2358, 58.2737,
95.6317

■ 28.0833, 28.4075,
91.1926

■ 61.5231, 66.7988,
96.8404

■ 25.7522, 24.6510,
90.5904

■ 71.0427, 76.2650,
98.1659

■ 24.7777, 22.9399,
90.3115

■ 81.8479, 86.7058,
99.6116

■ 92.6487, 97.4619,
101.1185

■ 93.6347, 99.4339,
101.4472

Harmonies

Analogous

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



34.5024, 43.9003, 82.8100



40.1236, 43.9003, 93.5476



46.7923, 43.9003, 89.6985

Triad

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



40.1236, 43.9003, 93.5476



54.5401, 43.9003, 35.1556



32.4481, 43.9003, 28.9944

Complementary

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



40.1236, 43.9003, 93.5476



56.0131, 51.0150, 21.9356

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.



37.0391, 43.9003, 21.5308



40.1236, 43.9003, 93.5476



49.8932, 43.9003, 24.3797

Square

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



40.1236, 43.9003, 93.5476



55.5881, 43.9003, 52.6013



43.3703, 43.9003, 20.0979



30.3841, 43.9003, 43.3001

Rectangle

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



40.1236, 43.9003, 93.5476



50.9051, 43.9003, 79.7554



43.3703, 43.9003, 20.0979



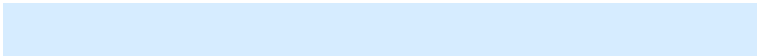
33.7223, 43.9003, 25.7743

Sweetspot

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



40.1251, 43.9019, 93.5487



75.8238, 81.5139, 106.3452



47.1529, 72.3482, 51.5259



15.7564, 16.9810, 22.6972



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.



40.1251, 43.9019, 93.5487



37.5679, 40.4627, 100.4378



29.3798, 22.4112, 89.9669



16.3130, 17.3903, 21.0394



13.3672, 12.5281, 48.2517



1.2777, 1.3068, 4.2751

Inverse Universe

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



52.2391, 34.3824, 48.6843



52.5059, 31.1807, 44.5637



72.4799, 83.9486, 27.4245



16.8686, 16.6303, 19.0545



22.5516, 11.3641, 12.8792



2.0340, 1.0196, 1.4053

Previews

White Background



This preview shows how the XYZ color 40.1236, 43.9003, 93.5476 looks on a white background.

Color Contrast Check

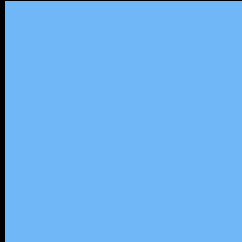
Large Text (above 18pt) WCAG AA × Fail

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 40.1236, 43.9003, 93.5476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

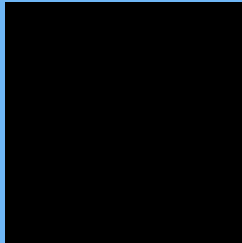
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1236, 43.9003, 93.5476

Background



This preview shows how black text looks on a background with the XYZ color 40.1236, 43.9003, 93.5476.

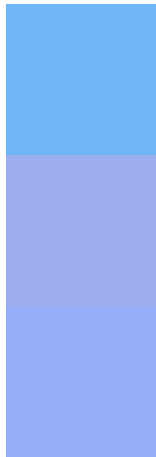


This preview shows how white text looks on a background with the XYZ color 40.1236, 43.9003,

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

40.1236, 43.9003, 93.5476

Protanopia

44.6207, 43.6722, 87.7392

Deuteranopia

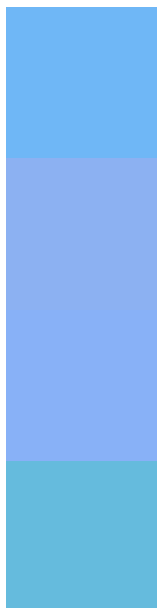
44.6570, 43.5334, 94.8561



Tritanopia

34.3779, 43.7699, 65.0291

Trichromacy



Original Color

40.1236, 43.9003, 93.5476

Protanomaly

42.5644, 43.4305, 90.1439

Deuteranomaly

42.6640, 43.3939, 94.1229

Tritanomaly

36.1883, 43.5278, 74.9010

Monochromacy



Original Color

40.1236, 43.9003, 93.5476

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.4268, 40.5992, 58.6872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1236, 43.9003, 93.5476 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(111, 183, 246)` looks like.

```
.text, #text, p{  
    color:rgb(111, 183, 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(111, 183, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 183, 246) }
```

Border

The CSS property to change the border of an element to XYZ 40.1236, 43.9003, 93.5476 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(111, 183, 246) }
```


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

```
.border{ border-color:rgb(111, 183, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 183, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 183, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 183, 246);  
box-shadow:4px 4px 4px 4px rgb(111, 183,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1236, 43.9003, 93.5476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 183, 246) }
```

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

```
.background{ background-color: rgb(111,  
183, 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](#).

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