

Converting Colors

XYZ(42.3058, 45.6243, 94.5723)

Have a look what the booklet for
XYZ(42.3058, 45.6243, 94.5723)
contains.

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Color

**XYZ(42.3058, 45.6243,
94.5723)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB9F7
RGB	123, 185, 247
RGB Percent	48%, 73%, 97%
CMY	0.5176, 0.2745, 0.0314
CMYK	0.50, 0.25, 0.00, 0.03
HSL	210°, 89%, 73%
HSV	210°, 50%, 97%
XYZ	42.3058, 45.6243, 94.5723
YIQ	173.5300, -56.8540, 6.1380

Conversions

Conversions Part 2

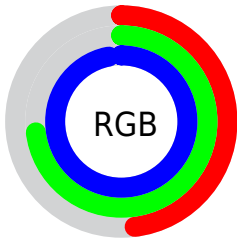
Format	Color
R _Y B	123, 164, 247
Decimal	8108535
CIE Lab	73.30, -3.16, -36.86
CIE LCh	73, 36.991, 265.102
Yxy	45.6243, 0.2318, 0.2500
Android (android.graphics.Color)	4286298615 (0xFF7BB9F7)
YUV	173.5300, 36.2207, -44.3148
Hunter-Lab	67.5458, -6.4055, -35.7312

Details

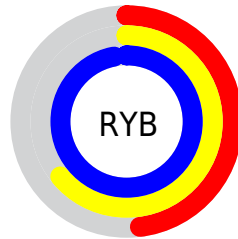
The XYZ color **42.3058, 45.6243, 94.5723** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.2833, 55.9039, 26.4066**, and the grayscale version is **39.8340, 41.9084, 45.6383**.

A 20% lighter version of the original color is **68.5614, 79.9544, 106.4269**, and **19.5954, 21.2770, 51.7893** is the 20% darker color. If you saturate the color by 10%, you get **36.7357, 39.0833, 93.6042**, and if you desaturate by 10%, it is **48.9947, 53.0770, 95.6591**.

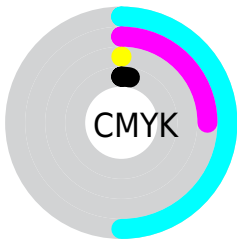
Distribution



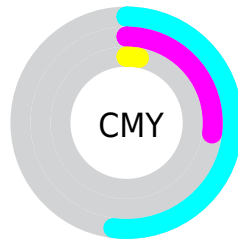
- Red (48%)
- Green (73%)
- Blue (97%)



- Red (48%)
- Yellow (64%)
- Blue (97%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (3%)



- Cyan (52%)
- Magenta (27%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3058, 45.6243, 94.5723 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 42.3058, 45.6243, 94.5723 by changing the saturation by 10% instead.

■ 42.3058, 45.6243,
94.5723

■ 42.3058, 45.6243,
94.5723

346.7191,
369.2961, 563.7442

■ 29.5330, 31.9495,
71.1841

■ 77.9245, 83.6565,
155.6641

■ 19.6307, 21.3229,
52.0097

■ 101.5011,
108.7825, 194.2048

■ 12.2336, 13.3602,
36.6305

■ 129.4096,
138.4945, 238.6334

■ 6.9763, 7.6771,
24.6280

162.0155,
173.1767, 289.3685

■ 3.4935, 3.8890,
15.5836

199.6840,
213.2136, 346.8285

■ 1.4198, 1.6117,
9.0789

242.7805,

■ 0.2702, 0.3655,

258.9895, 411.4321

4.6951

291.6705,
310.8889, 483.5978

■ 0.0000, 0.0000,
2.0139

■ 0.0000, 0.0000,
0.5638

■ 42.3058, 45.6243,
94.5723

■ 42.3058, 45.6243,
94.5723

■ 36.7357, 39.0833,
93.6042

■ 48.9947, 53.0770,
95.6591

■ 32.2057, 33.4024,
92.7464

■ 56.8644, 61.4788,
96.8661

■ 28.6332, 28.5310,
91.9945

■ 65.9777, 70.8709,
98.1986

■ 25.9185, 24.4088,
91.3419

■ 76.3912, 81.2900,
99.6608

■ 23.9338, 21.0058,
90.7896

■ 88.1578, 92.7707,
101.2567

■ 93.7887, 99.4955,
102.2579

Harmonies

Analogous

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



36.5979, 45.6243, 85.2100



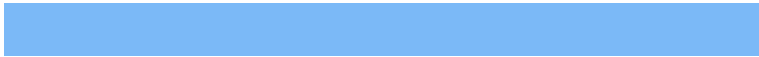
42.3058, 45.6243, 94.5723



48.8875, 45.6243, 89.6662

Triad

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



42.3058, 45.6243, 94.5723



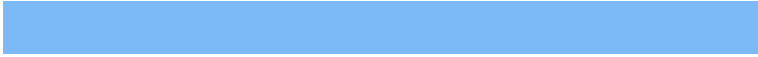
55.6997, 45.6243, 35.9831



33.8976, 45.6243, 31.8791

Complementary

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



42.3058, 45.6243, 94.5723



59.2833, 55.9039, 26.4066

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.



38.2741, 45.6243, 23.7962



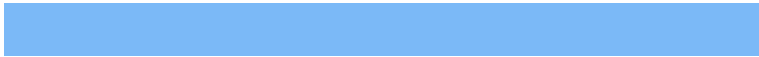
42.3058, 45.6243, 94.5723



50.9177, 45.6243, 25.7173

Square

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



42.3058, 45.6243, 94.5723



57.0517, 45.6243, 52.7974



44.4408, 45.6243, 21.8609



32.0627, 45.6243, 46.6823

Rectangle

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



42.3058, 45.6243, 94.5723



52.8371, 45.6243, 79.4781



44.4408, 45.6243, 21.8609



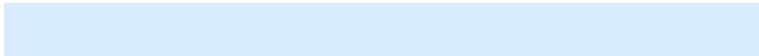
35.0977, 45.6243, 28.4478

Sweetspot

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



42.3074, 45.6260, 94.5734



76.5505, 81.8523, 106.3722



50.1875, 74.2364, 57.5846



15.8847, 17.0180, 22.6975



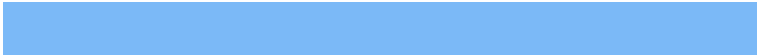
0.0000, 0.0000, 0.0000



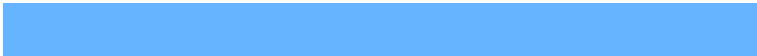
20.3446, 21.4041, 23.3091

Same Dimension

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



42.3074, 45.6260, 94.5734



39.5495, 42.0848, 100.6464



32.0414, 25.0940, 91.1514



16.2657, 17.2958, 21.0237



12.7998, 11.3934, 48.0625



1.2277, 1.2069, 4.2585

Inverse Universe

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



54.1990, 37.4445, 50.2715



54.0775, 33.9972, 46.0950



75.1947, 87.7267, 31.7104



16.8447, 16.6207, 18.9288



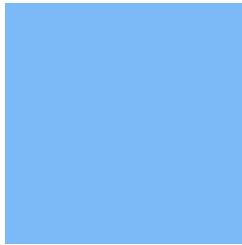
22.2653, 11.2495, 11.3711



2.0088, 1.0095, 1.2725

Previews

White Background



This preview shows how the XYZ color 42.3058, 45.6243, 94.5723 looks on a white background.

Color Contrast Check

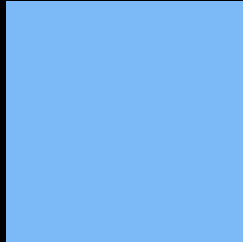
Large Text (above 18pt) WCAG AA × Fail

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 42.3058, 45.6243, 94.5723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

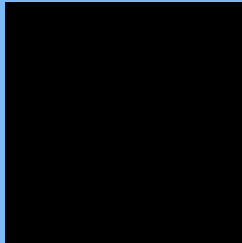
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

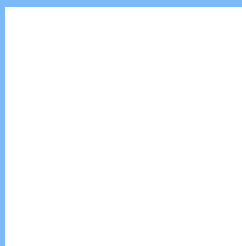
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3058, 45.6243, 94.5723

Background



This preview shows how black text looks on a background with the XYZ color 42.3058, 45.6243, 94.5723.



This preview shows how white text looks on a background with the XYZ color 42.3058, 45.6243,

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

42.3058, 45.6243, 94.5723

Protanopia

46.2973, 45.3722, 89.5367

Deuteranopia

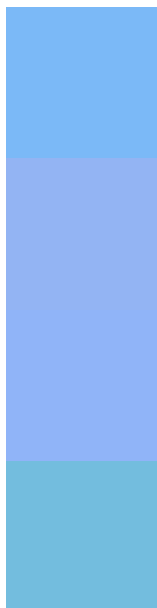
46.5313, 45.3518, 95.9238



Tritanopia

36.6652, 45.5683, 66.5376

Trichromacy



Original Color

42.3058, 45.6243, 94.5723

Protanomaly

44.5315, 45.3166, 91.1939

Deuteranomaly

44.7661, 45.3491, 95.2008

Tritanomaly

38.4526, 45.3140, 75.8270

Monochromacy



Original Color

42.3058, 45.6243, 94.5723

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.9806, 43.0264, 61.4561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3058, 45.6243, 94.5723 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, 185, 247)` looks like.

```
.text, #text, p{  
    color:rgb(123, 185, 247)  
}
```

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, 185, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 185, 247) }
```

Border

The CSS property to change the border of an element to XYZ 42.3058, 45.6243, 94.5723 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, 185, 247) }
```


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

```
.border{ border-color:rgb(123, 185, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 185, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 185, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 185, 247);  
box-shadow:4px 4px 4px 4px rgb(123, 185,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3058, 45.6243, 94.5723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 185, 247) }
```

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

```
.background{ background-color: rgb(123,  
185, 247) }
```

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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