

Converting Colors

XYZ(34.4478, 42.3167, 74.7590)

Have a look what the booklet for
XYZ(34.4478, 42.3167, 74.7590)
contains.

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Color

**XYZ(34.4478, 42.3167,
74.7590)**

Conversions

Conversions Part 1

Format	Color
Hex	56BADD
RGB	86, 186, 221
RGB Percent	34%, 73%, 87%
CMY	0.6627, 0.2706, 0.1333
CMYK	0.61, 0.16, 0.00, 0.13
HSL	196°, 67%, 60%
HSV	196°, 61%, 87%
XYZ	34.4478, 42.3167, 74.7590
YIQ	160.0900, -70.8350, -10.3150

Conversions

Conversions Part 2

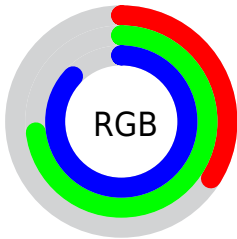
Format	Color
RYB	86, 143, 221
Decimal	5683933
CIELab	71.09, -18.89, -26.29
CIELCh	71, 32.373, 234.292
Yxy	42.3167, 0.2273, 0.2793
Android (android.graphics.Color)	4283874013 (0xFF56BADD)
YUV	160.0900, 30.0286, -64.9769
Hunter-Lab	65.0513, -19.3154, -22.6020

Details

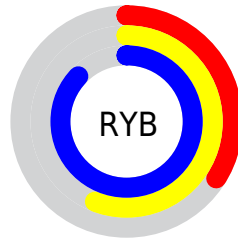
The XYZ color **34.4478, 42.3167, 74.7590** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **38.3372, 29.7204, 12.5216**, and the grayscale version is **33.3459, 35.0825, 38.2048**.

A 20% lighter version of the original color is **61.8348, 76.9273, 106.1972**, and **15.2705, 19.5282, 39.0409** is the 20% darker color. If you saturate the color by 10%, you get **31.5361, 39.0603, 74.2847**, and if you desaturate by 10%, it is **38.0396, 45.9972, 75.2809**.

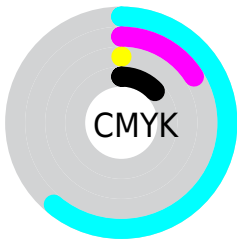
Distribution



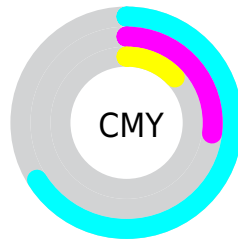
- Red (34%)
- Green (73%)
- Blue (87%)



- Red (34%)
- Yellow (56%)
- Blue (87%)



- Cyan (61%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)



- Cyan (66%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4478, 42.3167, 74.7590 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 34.4478, 42.3167, 74.7590 by changing the saturation by 10% instead.

■ 34.4478, 42.3167,
74.7590

■ 34.4478, 42.3167,
74.7590

313.6751,
355.7941, 496.3221

■ 23.4023, 29.3494,
54.9149

■ 65.9691, 78.6787,
127.7151

■ 15.0132, 19.3453,
38.9355

■ 87.1757, 102.8422,
161.6642

■ 8.9150, 11.9200,
26.4021

■ 112.5000,
131.5065, 201.1521

■ 4.7425, 6.6892,
16.8962

■ 142.3074,
165.0560, 246.5974

■ 2.1302, 3.2685,
9.9994

176.9632,
203.8751, 298.4184

■ 0.7055, 1.2735,
5.2929

216.8329,

■ 0.0000, 0.1205,

248.3482, 357.0339

2.3584

262.2817,
298.8598, 422.8623

■ 0.0000, 0.0000,
0.7637

■ 0.0000, 0.0000,
0.0000

■ 34.4478, 42.3167,
74.7590

■ 34.4478, 42.3167,
74.7590

■ 31.5361, 39.0603,
74.2847

■ 38.0396, 45.9972,
75.2809

■ 29.2395, 36.1912,
73.8520

■ 42.3604, 50.1254,
75.8500

■ 27.4872, 33.6729,
73.4582

■ 47.4591, 54.7281,
76.4697

■ 26.2740, 31.6658,
73.1348

■ 53.3790, 59.8284,
77.1421

■ 60.1602, 65.4478,
77.8694

■ 67.8401, 71.6063,
78.6533

■ 76.4537, 78.3227,
79.4957

■ 83.1029, 84.1037,
80.2611

■ 84.7407, 87.3793,
80.8070

Harmonies

Analogous

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



31.4621, 42.3167, 59.4556



34.4478, 42.3167, 74.7590



39.1946, 42.3167, 82.5470

Triad

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



34.4478, 42.3167, 74.7590



51.4892, 42.3167, 49.1038



36.0899, 42.3167, 23.9005

Complementary

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



34.4478, 42.3167, 74.7590



38.3372, 29.7204, 12.5216

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.



41.2646, 42.3167, 22.3282



34.4478, 42.3167, 74.7590



50.4706, 42.3167, 34.8707

Square

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



34.4478, 42.3167, 74.7590



49.2760, 42.3167, 65.7505



46.6051, 42.3167, 25.8656



32.3489, 42.3167, 30.7786

Rectangle

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



34.4478, 42.3167, 74.7590



42.8447, 42.3167, 81.4096



46.6051, 42.3167, 25.8656



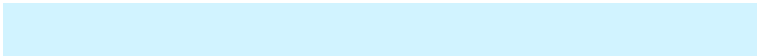
37.7062, 42.3167, 22.8095

Sweetspot

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



34.4492, 42.3183, 74.7600



76.4533, 84.9510, 106.9754



33.0705, 55.0424, 26.5729



15.8022, 17.7112, 22.8357



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.



34.4492, 42.3183, 74.7600



42.7432, 52.9790, 102.5809



23.5768, 20.5735, 71.1359



13.1443, 14.2284, 16.7057



15.3589, 18.5872, 42.5166



1.0632, 1.3405, 2.7772

Inverse Universe

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



42.0107, 25.5743, 49.1780



54.5895, 29.9900, 61.7757



49.3231, 51.6923, 16.1836



13.4627, 13.2142, 15.6978



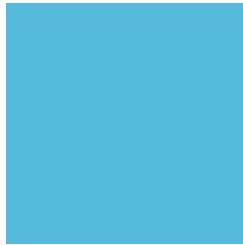
21.2478, 10.5002, 21.4826



1.4109, 0.6940, 1.5730

Previews

White Background



This preview shows how the XYZ color 34.4478, 42.3167, 74.7590 looks on a white background.

Color Contrast Check

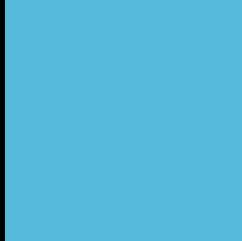
Large Text (above 18pt) WCAG AA × Fail

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 34.4478, 42.3167, 74.7590 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 34.4478, 42.3167, 74.7590

Background



This preview shows how black text looks on a background with the XYZ color 34.4478, 42.3167, 74.7590.



This preview shows how white text looks on a background with the XYZ color 34.4478, 42.3167,

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

34.4478, 42.3167, 74.7590

Protanopia

41.6306, 41.7215, 67.4869

Deuteranopia

42.8656, 41.8671, 77.0561



Tritanopia

32.2386, 42.3745, 63.6067

Trichromacy



Original Color

34.4478, 42.3167, 74.7590

Protanomaly

37.9444, 41.1912, 70.2408

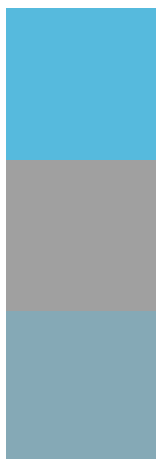
Deuteranomaly

38.8114, 41.5008, 76.4859

Tritanomaly

33.0094, 42.3689, 67.4110

Monochromacy



Original Color

34.4478, 42.3167, 74.7590

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.3043, 36.7399, 49.6449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4478, 42.3167, 74.7590 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(86, 186, 221)` looks like.

```
.text, #text, p{  
    color:rgb(86, 186, 221)  
}
```

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(86, 186, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 186, 221) }
```

Border

The CSS property to change the border of an element to XYZ 34.4478, 42.3167, 74.7590 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(86, 186, 221) }
```


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

```
.border{ border-color:rgb(86, 186, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 186, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 186, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 186, 221);  
box-shadow:4px 4px 4px 4px rgb(86, 186,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4478, 42.3167, 74.7590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 186, 221) }
```

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

```
.background{ background-color: rgb(86, 186,  
221) }
```

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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