

Converting Colors

XYZ(42.1860, 44.3604, 77.5737)

Have a look what the booklet for
XYZ(42.1860, 44.3604, 77.5737)
contains.

XYZ(42.3063, 44.4683, 77.5876)	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(42.3063, 44.4683,
77.5876)**

Conversions

Conversions Part 1

Format	Color
Hex	95B4E1
RGB	149, 180, 225
RGB Percent	58%, 71%, 88%
CMY	0.4157, 0.2941, 0.1176
CMYK	0.34, 0.20, 0.00, 0.12
HSL	216°, 56%, 73%
HSV	216°, 34%, 88%
XYZ	42.3063, 44.4683, 77.5876
YIQ	175.8610, -32.9210, 7.4230

Conversions

Conversions Part 2

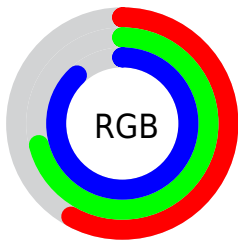
Format	Color
R_{YB}	149, 171, 225
Decimal	9811169
CIE _{Lab}	72.54, 0.12, -25.98
CIE _{LCh}	73, 25.983, 270.269
Yxy	44.4683, 0.2574, 0.2706
Android (android.graphics.Color)	4288001249 (0xFF95B4E1)
YUV	175.8610, 24.2255, -23.5571
Hunter-Lab	66.6846, -3.4532, -22.3048

Details

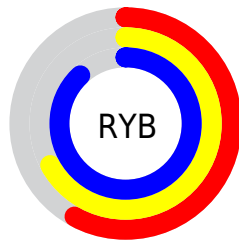
The XYZ color **42.3063, 44.4683, 77.5876** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.7688, 56.7619, 36.4521**, and the grayscale version is **41.0857, 43.2254, 47.0725**.

A 20% lighter version of the original color is **73.2223, 80.1900, 106.2267**, and **19.6689, 20.5678, 40.9635** is the 20% darker color. If you saturate the color by 10%, you get **36.0297, 37.4310, 76.5609**, and if you desaturate by 10%, it is **49.6373, 52.4349, 78.7397**.

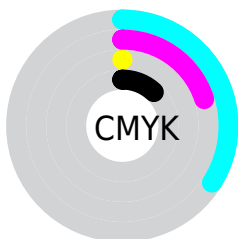
Distribution



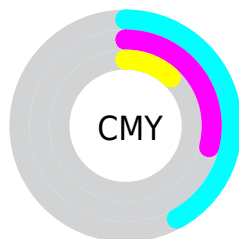
- Red (58%)
- Green (71%)
- Blue (88%)



- Red (58%)
- Yellow (67%)
- Blue (88%)



- Cyan (34%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)



- Cyan (42%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3063, 44.4683, 77.5876 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 42.3063, 44.4683, 77.5876 by changing the saturation by 10% instead.

■ 42.3063, 44.4683,
77.5876

■ 42.3063, 44.4683,
77.5876

346.7212,
364.6159, 506.2559

■ 29.5334, 31.0388,
57.2208

■ 77.9252, 81.9220,
131.7492

■ 19.6310, 20.6284,
40.7720

■ 101.5020,
106.7149, 166.3811

■ 12.2338, 12.8527,
27.8226

129.4107,
136.0646, 206.6051

■ 6.9764, 7.3272,
17.9541

162.0167,
170.3552, 252.8398

■ 3.4936, 3.6675,
10.7480

199.6854,
209.9712, 305.5036

■ 1.4198, 1.4894,
5.7856

242.7821,

■ 0.2703, 0.2812,

255.2971, 365.0153

2.6485

291.6723,
306.7172, 431.7932

■ 0.0000, 0.0000,
0.9173

■ 0.0000, 0.0000,
0.0000

■ 42.3063, 44.4683,
77.5876

■ 42.3063, 44.4683,
77.5876

■ 36.0297, 37.4310,
76.5609

■ 49.6373, 52.4349,
78.7397

■ 30.7501, 31.2797,
75.6518

■ 58.0674, 61.3613,
80.0183

■ 26.4108, 25.9748,
74.8566

■ 67.6441, 71.2827,
81.4286

■ 22.9471, 21.4713,
74.1698

■ 78.4104, 82.2311,
82.9744

■ 20.2850, 17.7184,
73.5858

■ 87.9737, 92.9822,
84.5456

■ 18.3358, 14.6575,
73.0977

■ 90.5908, 98.2163,
85.4179

■ 17.3988, 13.0523,
72.8373

Harmonies

Analogous

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



38.1276, 44.4683, 73.2162



42.3063, 44.4683, 77.5876



46.7681, 44.4683, 73.0634

Triad

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



42.3063, 44.4683, 77.5876



50.1684, 44.4683, 36.9952



35.2041, 44.4683, 37.1634

Complementary

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



42.3063, 44.4683, 77.5876



55.7688, 56.7619, 36.4521

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.



38.0621, 44.4683, 30.0510



42.3063, 44.4683, 77.5876



46.6931, 44.4683, 29.9667

Square

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



42.3063, 44.4683, 77.5876



51.4993, 44.4683, 48.3025



42.2253, 44.4683, 27.6649



34.2077, 44.4683, 48.5345

Rectangle

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



42.3063, 44.4683, 77.5876



49.2583, 44.4683, 66.0025



42.2253, 44.4683, 27.6649



35.9685, 44.4683, 34.2727

Sweetspot

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



42.3077, 44.4700, 77.5886



81.6540, 86.2226, 106.9467



48.9837, 64.1061, 60.4405



17.1015, 18.0642, 22.8353



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.



42.3077, 44.4700, 77.5886



49.8019, 51.9294, 102.0063



37.9210, 33.9342, 75.7862



13.4088, 14.1568, 17.4135



10.1341, 7.7378, 42.0078



0.7888, 0.7091, 2.9405

Inverse Universe

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



50.0382, 40.7992, 48.4195



61.8547, 47.0712, 56.3340



61.4642, 71.0297, 38.9058



13.9378, 13.7928, 15.4428



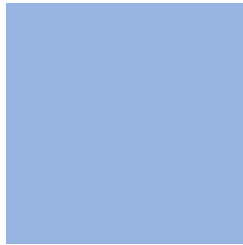
19.0554, 9.6892, 6.9576



1.3644, 0.6890, 0.7119

Previews

White Background



This preview shows how the XYZ color 42.3063, 44.4683, 77.5876 looks on a white background.

Color Contrast Check

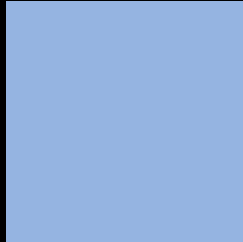
Large Text (above 18pt) WCAG AA × Fail

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 42.3063, 44.4683, 77.5876 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

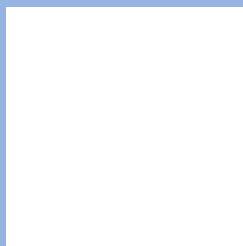
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3063, 44.4683, 77.5876

Background



This preview shows how black text looks on a background with the XYZ color 42.3063, 44.4683, 77.5876.



This preview shows how white text looks on a background with the XYZ color 42.3063, 44.4683,

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

42.3063, 44.4683, 77.5876

Protanopia

44.4360, 44.4316, 75.3414

Deuteranopia

45.2257, 44.1981, 78.0989



Tritanopia

38.9855, 44.6611, 60.5985

Trichromacy



Original Color

42.3063, 44.4683, 77.5876

Protanomaly

43.5386, 44.2456, 76.0576

Deuteranomaly

44.1531, 44.2230, 78.1603

Tritanomaly

39.9957, 44.4408, 66.1444

Monochromacy



Original Color

42.3063, 44.4683, 77.5876

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.1856, 43.4463, 57.2542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3063, 44.4683, 77.5876 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(149, 180, 225)` looks like.

```
.text, #text, p{  
    color:rgb(149, 180, 225)  
}
```

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(149, 180, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 180, 225) }
```

Border

The CSS property to change the border of an element to XYZ 42.3063, 44.4683, 77.5876 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(149, 180, 225) }
```


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

```
.border{ border-color:rgb(149, 180, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 180, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 180, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 180, 225);  
box-shadow:4px 4px 4px 4px rgb(149, 180,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3063, 44.4683, 77.5876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 180, 225) }
```

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

```
.background{ background-color: rgb(149,  
180, 225) }
```

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