

Converting Colors

XYZ(41.2602, 44.2222, 76.0290)

Have a look what the booklet for
XYZ(41.2602, 44.2222, 76.0290)
contains.

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Color

**XYZ(41.3448, 44.3048,
76.1846)**

Conversions

Conversions Part 1

Format	Color
Hex	90B5DF
RGB	144, 181, 223
RGB Percent	56%, 71%, 87%
CMY	0.4353, 0.2902, 0.1255
CMYK	0.35, 0.19, 0.00, 0.13
HSL	212°, 55%, 72%
HSV	212°, 35%, 87%
XYZ	41.3448, 44.3048, 76.1846
YIQ	174.7250, -35.5340, 5.2180

Conversions

Conversions Part 2

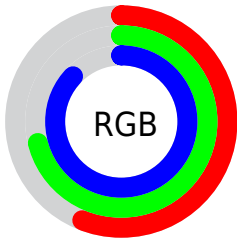
Format	Color
RYB	144, 169, 223
Decimal	9483743
CIELab	72.43, -2.32, -25.09
CIELCh	72, 25.194, 264.707
Yxy	44.3048, 0.2555, 0.2738
Android (android.graphics.Color)	4287673823 (0xFF90B5DF)
YUV	174.7250, 23.7996, -26.9458
Hunter-Lab	66.5619, -5.6082, -21.2682

Details

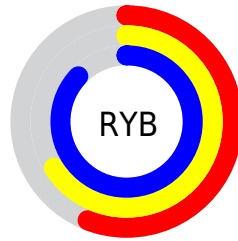
The XYZ color **41.3448, 44.3048, 76.1846** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.0253, 52.8203, 33.7876**, and the grayscale version is **40.5008, 42.6100, 46.4023**.

A 20% lighter version of the original color is **72.1536, 80.0677, 106.2595**, and **19.0035, 20.4392, 39.9893** is the 20% darker color. If you saturate the color by 10%, you get **35.5191, 37.8747, 75.2513**, and if you desaturate by 10%, it is **48.1479, 51.5452, 77.2244**.

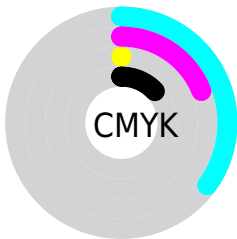
Distribution



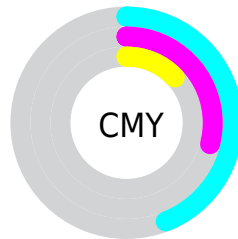
- Red (56%)
- Green (71%)
- Blue (87%)



- Red (56%)
- Yellow (66%)
- Blue (87%)



- Cyan (35%)
- Magenta (19%)
- Yellow (0%)
- Black (13%)



- Cyan (44%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3448, 44.3048, 76.1846 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 41.3448, 44.3048, 76.1846 by changing the saturation by 10% instead.

■ 41.3448, 44.3048,
76.1846

■ 41.3448, 44.3048,
76.1846

342.7977,
363.9506, 501.3430

■ 28.7775, 30.9102,
56.0763

■ 76.4784, 81.6762,
129.7503

■ 19.0560, 20.5305,
39.8597

■ 99.7755, 106.4218,
164.0448

■ 11.8150, 12.7812,
27.1162

127.3797,
135.7198, 203.9051

■ 6.6891, 7.2781,
17.4273

159.6567,
169.9547, 249.7498

■ 3.3130, 3.6366,
10.3745

196.9715,
209.5108, 301.9974

■ 1.3214, 1.4724,
5.5391

239.6898,

■ 0.1991, 0.2692,

254.7726, 361.0664

2.5027

288.1767,
306.1244, 427.3755

■ 0.0000, 0.0000,
0.8416

■ 0.0000, 0.0000,
0.0000

■ 41.3448, 44.3048,
76.1846

■ 41.3448, 44.3048,
76.1846

■ 35.5191, 37.8747,
75.2513

■ 48.1479, 51.5452,
77.2244

■ 30.6157, 32.2162,
74.4175

■ 55.9706, 59.6221,
78.3711

■ 26.5806, 27.2944,
73.6802

■ 64.8580, 68.5667,
79.6291

■ 23.3516, 23.0692,
73.0348

■ 74.8509, 78.4069,
81.0018

■ 20.8568, 19.4948,
72.4764

■ 85.8023, 89.0734,
82.4834

■ 19.0091, 16.5175,
71.9991

■ 89.4127, 96.2942,
83.6869

■ 18.3148, 15.3185,
71.8043

■ 90.3194, 98.1078,
83.9892

Harmonies

Analogous

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



37.4680, 44.3048, 70.5096



41.3448, 44.3048, 76.1846



45.6978, 44.3048, 73.3891

Triad

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



41.3448, 44.3048, 76.1846



50.1605, 44.3048, 38.9195



35.6562, 44.3048, 35.7012

Complementary

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



41.3448, 44.3048, 76.1846



53.0253, 52.8203, 33.7876

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.



38.7158, 44.3048, 29.6139



41.3448, 44.3048, 76.1846



47.1212, 44.3048, 31.2361

Square

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



41.3448, 44.3048, 76.1846



50.9839, 44.3048, 50.4802



42.8854, 44.3048, 28.1318



34.3313, 44.3048, 46.0679

Rectangle

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



41.3448, 44.3048, 76.1846



48.2617, 44.3048, 67.3101



42.8854, 44.3048, 28.1318



36.5053, 44.3048, 33.1625

Sweetspot

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



41.3462, 44.3065, 76.1856



80.8987, 85.9146, 106.9271



46.6281, 62.2007, 55.3472



16.9693, 18.0396, 22.8376



0.0000, 0.0000, 0.0000



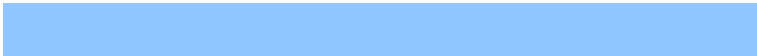
20.3446, 21.4041, 23.3091

Same Dimension

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



41.3462, 44.3065, 76.1856



49.6885, 53.0709, 102.2326



35.0268, 31.3243, 74.0129



13.4787, 14.2964, 17.4368



10.8798, 9.2291, 42.2563



0.8432, 0.8178, 2.9587

Inverse Universe

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



48.7464, 38.9721, 48.6710



61.4634, 45.6357, 58.2162



61.4499, 70.2695, 36.7116



13.9731, 13.8069, 15.6284



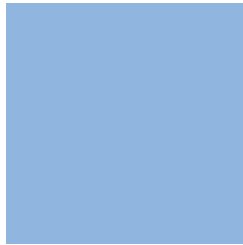
19.4318, 9.8397, 8.9396



1.3918, 0.7000, 0.8563

Previews

White Background



This preview shows how the XYZ color 41.3448, 44.3048, 76.1846 looks on a white background.

Color Contrast Check

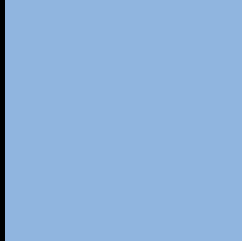
Large Text (above 18pt) WCAG AA × Fail

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 41.3448, 44.3048, 76.1846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

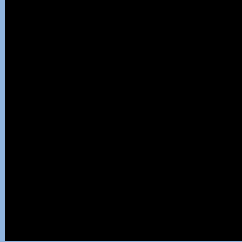
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

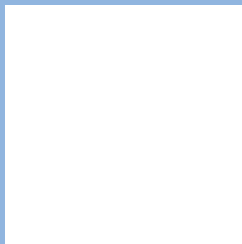
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.3448, 44.3048, 76.1846

Background



This preview shows how black text looks on a background with the XYZ color 41.3448, 44.3048, 76.1846.

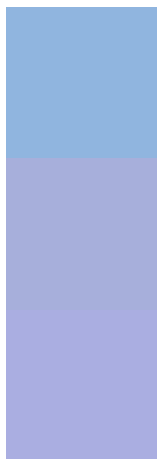


This preview shows how white text looks on a background with the XYZ color 41.3448, 44.3048,

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

41.3448, 44.3048, 76.1846

Protanopia

44.0525, 43.9899, 73.1869

Deuteranopia

45.3042, 44.2544, 77.3883



Tritanopia

38.2555, 44.2713, 61.1725

Trichromacy



Original Color

41.3448, 44.3048, 76.1846

Protanomaly

42.9385, 43.9825, 73.9365

Deuteranomaly

43.8746, 44.4032, 76.7792

Tritanomaly

39.3409, 44.4105, 66.1731

Monochromacy



Original Color

41.3448, 44.3048, 76.1846

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.5464, 43.1426, 56.0595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3448, 44.3048, 76.1846 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(144, 181, 223)` looks like.

```
.text, #text, p{  
    color:rgb(144, 181, 223)  
}
```

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(144, 181, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 181, 223) }
```

Border

The CSS property to change the border of an element to XYZ 41.3448, 44.3048, 76.1846 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(144, 181, 223) }
```


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

```
.border{ border-color:rgb(144, 181, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 181, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 181, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 181, 223); box-shadow:4px 4px 4px 4px rgb(144, 181, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3448, 44.3048, 76.1846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 181, 223) }
```

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

```
.background{ background-color: rgb(144,  
181, 223) }
```

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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