

Converting Colors

XYZ(46.4035, 48.9975, 84.5606)

Have a look what the booklet for
XYZ(46.4035, 48.9975, 84.5606)
contains.

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Color

**XYZ(46.3521, 48.8755,
84.8328)**

Conversions

Conversions Part 1

Format	Color
Hex	9BBCEA
RGB	155, 188, 234
RGB Percent	61%, 74%, 92%
CMY	0.3921, 0.2627, 0.0823
CMYK	0.34, 0.20, 0.00, 0.08
HSL	215°, 65%, 76%
HSV	215°, 34%, 92%
XYZ	46.3521, 48.8755, 84.8328
YIQ	183.3770, -34.4340, 7.3100

Conversions

Conversions Part 2

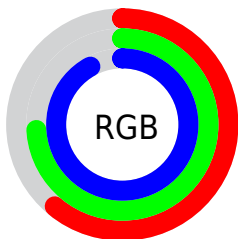
Format	Color
R _{YB}	155, 178, 234
Decimal	10206442
CIE Lab	75.37, -0.29, -26.49
CIE LCh	75, 26.494, 269.373
Yxy	48.8755, 0.2574, 0.2714
Android (android.graphics.Color)	4288396522 (0xFF9BBCEA)
YUV	183.3770, 24.9571, -24.8866
Hunter-Lab	69.9110, -3.9960, -23.0071

Details

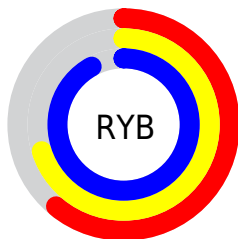
The XYZ color **46.3521, 48.8755, 84.8328** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.7358, 61.6333, 39.7073**, and the grayscale version is **45.0987, 47.4474, 51.6702**.

A 20% lighter version of the original color is **77.2647, 85.7703, 107.0908**, and **22.0667, 23.3090, 45.4555** is the 20% darker color. If you saturate the color by 10%, you get **39.5145, 41.2327, 83.7188**, and if you desaturate by 10%, it is **54.3378, 57.5204, 86.0814**.

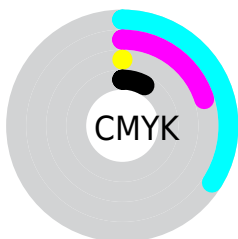
Distribution



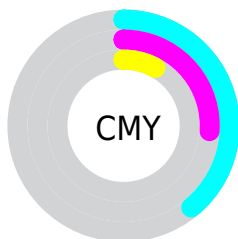
- Red (61%)
- Green (74%)
- Blue (92%)



- Red (61%)
- Yellow (70%)
- Blue (92%)



- Cyan (34%)
- Magenta (20%)
- Yellow (0%)
- Black (8%)



- Cyan (39%)
- Magenta (26%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3521, 48.8755, 84.8328 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 46.3521, 48.8755, 84.8328 by changing the saturation by 10% instead.

■ 46.3521, 48.8755,
84.8328

■ 46.3521, 48.8755,
84.8328

362.9147,
382.2520, 531.2048

■ 32.7296, 34.5207,
63.1539

■ 83.9703, 88.5065,
142.0116

■ 22.0776, 23.2939,
45.5239

■ 108.6968,
114.5516, 178.3486

■ 14.0308, 14.8107,
31.5243

137.8552,
145.2621, 220.4087

■ 8.2240, 8.6866,
20.7366

171.8109,
181.0226, 268.6105

■ 4.2916, 4.5374,
12.7423

210.9294,
222.2175, 323.3724

■ 1.8684, 1.9785,
7.1227

255.5759,

■ 0.5584, 0.5949,

269.2311, 385.1131

3.4593

306.1159,
322.4478, 454.2511

■ 0.0000, 0.0000,
1.3337

■ 0.0000, 0.0000,
0.0892

■ 46.3521, 48.8755,
84.8328

■ 46.3521, 48.8755,
84.8328

■ 39.5145, 41.2327,
83.7188

■ 54.3378, 57.5204,
86.0814

■ 33.7623, 34.5450,
82.7311

■ 63.5207, 67.2000,
87.4658

■ 29.0336, 28.7699,
81.8657

■ 73.9523, 77.9526,
88.9914

■ 25.2574, 23.8586,
81.1167

■ 85.6798, 89.8124,
90.6625

■ 22.3526, 19.7562,
80.4780

■ 91.8514, 98.7206,
92.0566

■ 20.2221, 16.3990,
79.9423

■ 19.1957, 14.6291,
79.6547

Harmonies

Analogous

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



41.8404, 48.8755, 79.8257



46.3521, 48.8755, 84.8328



51.2064, 48.8755, 80.2116

Triad

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



46.3521, 48.8755, 84.8328



55.1129, 48.8755, 41.1043



38.8455, 48.8755, 40.6771

Complementary

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



46.3521, 48.8755, 84.8328



60.7358, 61.6333, 39.7073

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.



42.0064, 48.8755, 33.0808



46.3521, 48.8755, 84.8328



51.3964, 48.8755, 33.2955

Square

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



46.3521, 48.8755, 84.8328



56.4739, 48.8755, 53.5117



46.5574, 48.8755, 30.6311



37.6967, 48.8755, 52.9236

Rectangle

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



46.3521, 48.8755, 84.8328



53.9394, 48.8755, 72.6841



46.5574, 48.8755, 30.6311



39.6965, 48.8755, 37.5790

Sweetspot

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



46.3537, 48.8774, 84.8339



81.7278, 86.3702, 106.9713



53.3398, 69.9746, 65.1972



17.1193, 18.0998, 22.8413



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.



46.3537, 48.8774, 84.8339



50.0300, 52.3855, 102.0823



41.1247, 36.8860, 82.7950



14.7482, 15.5829, 19.1527



10.9047, 8.4563, 44.8005



0.9494, 0.8502, 3.5489

Inverse Universe

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



54.7315, 44.5675, 53.2966



61.9698, 47.1172, 56.9402



67.5683, 77.8274, 42.4730



15.3265, 15.1584, 17.0044



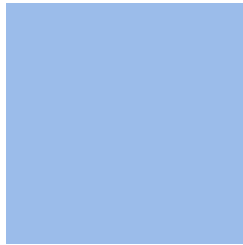
20.3595, 10.3465, 7.6943



1.6457, 0.8312, 0.8516

Previews

White Background



This preview shows how the XYZ color 46.3521, 48.8755, 84.8328 looks on a white background.

Color Contrast Check

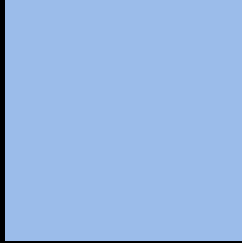
Large Text (above 18pt) WCAG AA × Fail

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 46.3521, 48.8755, 84.8328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

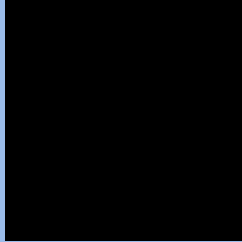
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

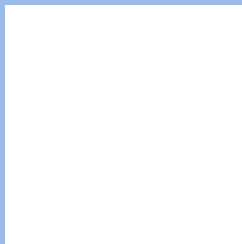
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3521, 48.8755, 84.8328

Background



This preview shows how black text looks on a background with the XYZ color 46.3521, 48.8755, 84.8328.



This preview shows how white text looks on a background with the XYZ color 46.3521, 48.8755,

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

46.3521, 48.8755, 84.8328

Protanopia

48.8128, 48.6352, 82.4161

Deuteranopia

49.8548, 48.8012, 85.3892



Tritanopia

42.8496, 49.0836, 66.8902

Trichromacy



Original Color

46.3521, 48.8755, 84.8328

Protanomaly

47.8508, 48.7396, 83.2296

Deuteranomaly

48.4981, 48.7142, 85.4439

Tritanomaly

43.9177, 48.8507, 72.7601

Monochromacy



Original Color

46.3521, 48.8755, 84.8328

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.2432, 47.8464, 62.7278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3521, 48.8755, 84.8328 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(155, 188, 234)` looks like.

```
.text, #text, p{  
    color:rgb(155, 188, 234)  
}
```

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(155, 188, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 188, 234) }
```

Border

The CSS property to change the border of an element to XYZ 46.3521, 48.8755, 84.8328 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(155, 188, 234) }
```


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

```
.border{ border-color:rgb(155, 188, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 188, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 188, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 188, 234);  
box-shadow:4px 4px 4px 4px rgb(155, 188,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3521, 48.8755, 84.8328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 188, 234) }
```

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

```
.background{ background-color: rgb(155,  
188, 234) }
```

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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