

Converting Colors

XYZ(46.1372, 51.5586, 82.3840)

Have a look what the booklet for
XYZ(46.1372, 51.5586, 82.3840)
contains.

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Color

**XYZ(46.0555, 51.3961,
82.3560)**

Conversions

Conversions Part 1

Format	Color
Hex	93C4E6
RGB	147, 196, 230
RGB Percent	58%, 77%, 90%
CMY	0.4235, 0.2314, 0.0980
CMYK	0.36, 0.15, 0.00, 0.10
HSL	205°, 62%, 74%
HSV	205°, 36%, 90%
XYZ	46.0555, 51.3961, 82.3560
YIQ	185.2250, -40.1180, 0.1860

Conversions

Conversions Part 2

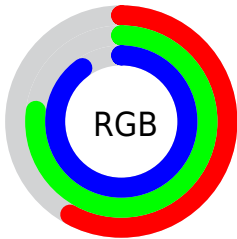
Format	Color
RYB	147, 178, 230
Decimal	9684198
CIELab	76.92, -7.79, -22.02
CIELCh	77, 23.358, 250.521
Yxy	51.3961, 0.2561, 0.2858
Android (android.graphics.Color)	4287874278 (0xFF93C4E6)
YUV	185.2250, 22.0741, -33.5233
Hunter-Lab	71.6911, -10.7881, -17.9264

Details

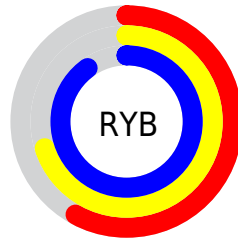
The XYZ color **46.0555, 51.3961, 82.3560** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.4244, 51.9782, 34.7696**, and the grayscale version is **46.1376, 48.5404, 52.8605**.

A 20% lighter version of the original color is **77.8039, 90.1671, 107.9110**, and **21.8272, 24.7292, 43.6672** is the 20% darker color. If you saturate the color by 10%, you get **40.2776, 45.3622, 81.4968**, and if you desaturate by 10%, it is **52.7946, 58.1260, 83.3007**.

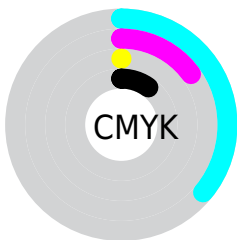
Distribution



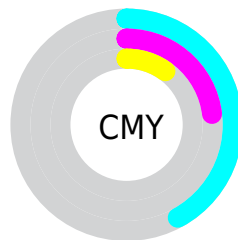
- Red (58%)
- Green (77%)
- Blue (90%)



- Red (58%)
- Yellow (70%)
- Blue (90%)



- Cyan (36%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (42%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0555, 51.3961, 82.3560 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 46.0555, 51.3961, 82.3560 by changing the saturation by 10% instead.

■ 46.0555, 51.3961,
82.3560

■ 46.0555, 51.3961,
82.3560

361.7439,
392.1008, 522.7524

■ 32.4944, 36.5239,
61.1215

■ 83.5294, 92.2400,
138.5143

■ 21.8968, 24.8391,
43.8920

■ 108.1730,
118.9805, 174.2751

■ 13.8973, 15.9572,
30.2491

137.2414,
150.4460, 215.7152

■ 8.1305, 9.4939,
19.7741

171.1000,
187.0208, 263.2530

■ 4.2311, 5.0647,
12.0485

210.1142,
229.0892, 317.3071

■ 1.8337, 2.2853,
6.6538

254.6494,

■ 0.5378, 0.7659,

277.0358, 378.2960

3.1714

305.0708,
331.2448, 446.6382

■ 0.0000, 0.0000,
1.1828

■ 0.0000, 0.0000,
0.0000

■ 46.0555, 51.3961,
82.3560

■ 46.0555, 51.3961,
82.3560

■ 40.2776, 45.3622,
81.4968

■ 52.7946, 58.1260,
83.3007

■ 35.4043, 39.9880,
80.7163

■ 60.5378, 65.5739,
84.3302

■ 31.3798, 35.2422,
80.0124

■ 69.3309, 73.7681,
85.4484

■ 28.1400, 31.0879,
79.3813

■ 79.2155, 82.7334,
86.6579

■ 25.6100, 27.4826,
78.8187

■ 87.6068, 91.1405,
87.8384

■ 23.6974, 24.3745,
78.3196

■ 90.5008, 96.9285,
88.8030

■ 23.0574, 23.2618,
78.1386

■ 91.2831, 98.4932,
89.0638

Harmonies

Analogous

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



42.6371, 51.3961, 73.4199



46.0555, 51.3961, 82.3560



50.4278, 51.3961, 83.6427

Triad

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



46.0555, 51.3961, 82.3560



57.7448, 51.3961, 51.6098



43.5050, 51.3961, 39.3405

Complementary

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



46.0555, 51.3961, 82.3560



54.4244, 51.9782, 34.7696

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.



47.3063, 51.3961, 35.1803



46.0555, 51.3961, 82.3560



55.6398, 51.3961, 41.5166

Square

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



46.0555, 51.3961, 82.3560



57.3594, 51.3961, 64.5271



51.7563, 51.3961, 35.9114



41.2276, 51.3961, 48.1898

Rectangle

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



46.0555, 51.3961, 82.3560



53.3210, 51.3961, 79.8071



51.7563, 51.3961, 35.9114



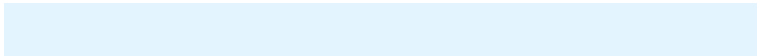
44.6371, 51.3961, 37.4129

Sweetspot

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



46.0571, 51.3981, 82.3572



81.9162, 87.9497, 107.2663



48.5893, 66.1013, 53.4863



17.2118, 18.5245, 22.9184



0.0000, 0.0000, 0.0000



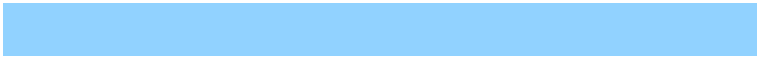
20.3446, 21.4041, 23.3091

Same Dimension

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



46.0571, 51.3981, 82.3572



52.8564, 59.4067, 103.2886



38.0883, 35.4604, 79.7009



14.2865, 15.2945, 18.3435



13.1768, 13.4157, 44.2782



1.0646, 1.1731, 3.3023

Inverse Universe

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



53.0320, 41.6775, 57.4762



63.0624, 46.2753, 66.6365



63.9423, 71.0140, 37.9422



14.7322, 14.5101, 16.7903



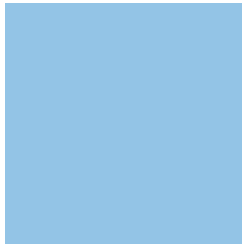
21.0445, 10.5520, 14.3955



1.6010, 0.7981, 1.3053

Previews

White Background



This preview shows how the XYZ color 46.0555, 51.3961, 82.3560 looks on a white background.

Color Contrast Check

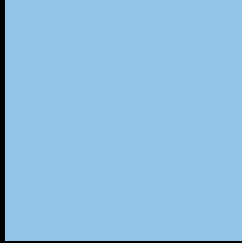
Large Text (above 18pt) WCAG AA × Fail

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 46.0555, 51.3961, 82.3560 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

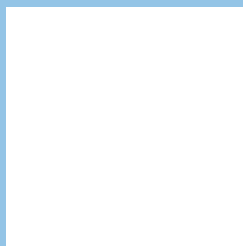
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0555, 51.3961, 82.3560

Background



This preview shows how black text looks on a background with the XYZ color 46.0555, 51.3961, 82.3560.

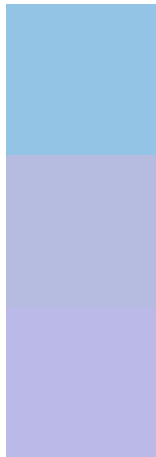


This preview shows how white text looks on a background with the XYZ color 46.0555, 51.3961,

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

46.0555, 51.3961, 82.3560

Protanopia

50.7292, 51.2933, 77.7479

Deuteranopia

52.1641, 50.9632, 83.4315



Tritanopia

44.0169, 51.5928, 71.9284

Trichromacy



Original Color

46.0555, 51.3961, 82.3560

Protanomaly

48.7205, 51.1876, 79.2639

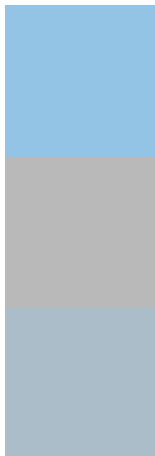
Deuteranomaly

49.6347, 50.9354, 82.8168

Tritanomaly

44.6140, 51.4848, 75.2963

Monochromacy



Original Color

46.0555, 51.3961, 82.3560

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.5348, 49.2702, 62.3685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0555, 51.3961, 82.3560 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(147, 196, 230)` looks like.

```
.text, #text, p{  
    color:rgb(147, 196, 230)  
}
```

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(147, 196, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 196, 230) }
```

Border

The CSS property to change the border of an element to XYZ 46.0555, 51.3961, 82.3560 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(147, 196, 230) }
```


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

```
.border{ border-color:rgb(147, 196, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 196, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 196, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 196, 230);  
box-shadow:4px 4px 4px 4px rgb(147, 196,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0555, 51.3961, 82.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 196, 230) }
```

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

```
.background{ background-color: rgb(147,  
196, 230) }
```

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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