

Converting Colors

XYZ(42.3146, 46.8932, 72.1086)

Have a look what the booklet for
XYZ(42.3146, 46.8932, 72.1086)
contains.

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Color

**XYZ(42.1976, 46.7016,
71.7560)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 93BBD8 |
| RGB | 147, 187, 216 |
| RGB Percent | 58%, 73%, 85% |
| CMY | 0.4235, 0.2667, 0.1529 |
| CMYK | 0.32, 0.13, 0.00, 0.15 |
| HSL | 205°, 47%, 71% |
| HSV | 205°, 32%, 85% |
| XYZ | 42.1976, 46.7016, 71.7560 |
| YIQ | 178.3460, -33.1490, 0.5390 |

Conversions

Conversions Part 2

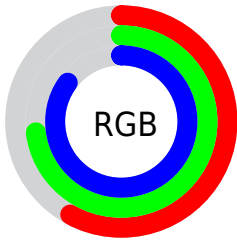
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 147, 172, 216 |
| Decimal | 9681880 |
| CIELab | 74.00, -6.49, -18.88 |
| CIElCh | 74, 19.960, 251.025 |
| Yxy | 46.7016, 0.2627, 0.2907 |
| Android (android.graphics.Color) | 4287871960 (0xFF93BBD8) |
| YUV | 178.3460, 18.5634, -27.4904 |
| Hunter-Lab | 68.3386, -9.3726, -14.4179 |

Details

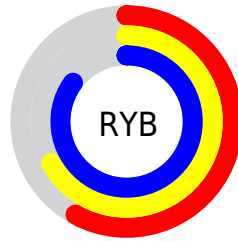
The XYZ color **42.1976, 46.7016, 71.7560** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.1113, 47.7566, 34.2344**, and the grayscale version is **42.4186, 44.6277, 48.5995**.

A 20% lighter version of the original color is **74.4577, 83.8777, 106.8734**, and **19.5742, 22.0031, 36.9336** is the 20% darker color. If you saturate the color by 10%, you get **36.8168, 41.1596, 70.9707**, and if you desaturate by 10%, it is **48.4302, 52.8657, 72.6181**.

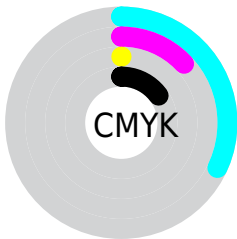
Distribution



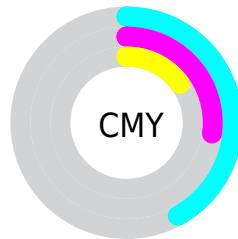
- Red (58%)
- Green (73%)
- Blue (85%)



- Red (58%)
- Yellow (67%)
- Blue (85%)



- Cyan (32%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)



- Cyan (42%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1976, 46.7016, 71.7560 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 42.1976, 46.7016, 71.7560 by changing the saturation by 10% instead.

■ 42.1976, 46.7016,
71.7560

■ 42.1976, 46.7016,
71.7560

346.2791,
373.6222, 485.6466

■ 29.4478, 32.7998,
52.4738

■ 77.7619, 85.2680,
123.4141

■ 19.5658, 21.9731,
36.9980

■ 101.3071,
110.7015, 156.6270

■ 12.1863, 13.8372,
24.9102

129.1815,
140.7476, 195.3205

■ 6.9438, 8.0075,
15.7917

161.7505,
175.7908, 239.9132

■ 3.4730, 4.0997,
9.2241

199.3794,
216.2155, 290.8236

■ 1.4085, 1.7295,
4.7889

242.4336,

■ 0.2623, 0.4427,

262.4060, 348.4703

2.0674

291.2784,
314.7468, 413.2718

■ 0.0000, 0.0000,
0.5962

■ 0.0000, 0.0000,
0.0000

■ 42.1976, 46.7016,
71.7560

■ 42.1976, 46.7016,
71.7560

■ 36.8168, 41.1596,
70.9707

■ 48.4302, 52.8657,
72.6181

■ 32.2406, 36.2087,
70.2563

■ 55.5502, 59.6701,
73.5562

■ 28.4232, 31.8229,
69.6109

■ 63.5961, 67.1389,
74.5738

■ 25.3121, 27.9719,
69.0316

■ 72.6027, 75.2932,
75.6730

■ 22.8474, 24.6209,
68.5147

■ 82.6020, 84.1523,
76.8560

■ 20.9575, 21.7294,
68.0562

■ 85.2295, 89.4072,
77.7318

■ 19.7568, 19.6819,
67.7242

■ 87.9909, 94.9302,
78.6523

■ 89.3948, 97.7379,
79.1202

Harmonies

Analogous

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



39.4173, 46.7016, 64.8488



42.1976, 46.7016, 71.7560



45.7117, 46.7016, 72.6455

Triad

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



42.1976, 46.7016, 71.7560



51.4593, 46.7016, 47.1890



40.0412, 46.7016, 37.4360

Complementary

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



42.1976, 46.7016, 71.7560



49.1113, 47.7566, 34.2344

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.



43.0910, 46.7016, 33.9185



42.1976, 46.7016, 71.7560



49.7610, 46.7016, 39.0265

Square

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



42.1976, 46.7016, 71.7560



51.1884, 46.7016, 57.5013



46.6539, 46.7016, 34.4589



38.2191, 46.7016, 44.7326

Rectangle

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



42.1976, 46.7016, 71.7560



48.0145, 46.7016, 69.5880



46.6539, 46.7016, 34.4589



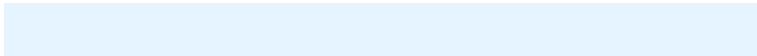
40.9498, 46.7016, 35.8196

Sweetspot

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



42.1991, 46.7034, 71.7571



82.9589, 88.8324, 107.3817



44.4013, 58.4404, 49.8858



17.4169, 18.6950, 22.9405



0.0000, 0.0000, 0.0000



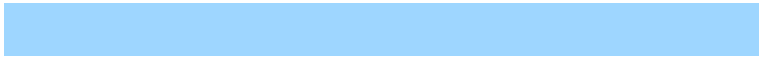
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1991, 46.7034, 71.7571



56.2868, 62.7324, 103.7497



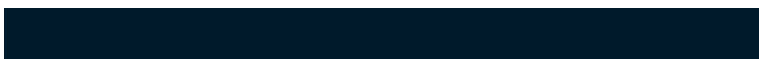
35.7788, 33.8628, 69.6170



12.3346, 13.1926, 15.8338



11.8028, 11.8673, 40.1217



0.7929, 0.8779, 2.4470

Inverse Universe

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



47.7234, 39.0554, 52.0389



65.6569, 50.6170, 70.1132



56.6946, 62.9232, 36.7622



12.7221, 12.5403, 14.4767



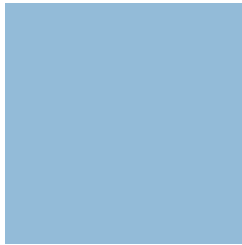
19.0164, 9.5429, 12.6561



1.1879, 0.5919, 0.9788

Previews

White Background



This preview shows how the XYZ color 42.1976, 46.7016, 71.7560 looks on a white background.

Color Contrast Check

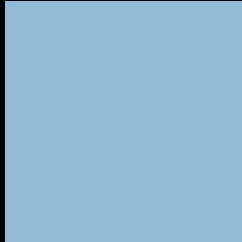
Large Text (above 18pt) WCAG AA × Fail

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 42.1976, 46.7016, 71.7560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

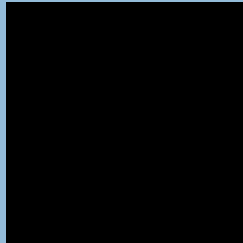
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

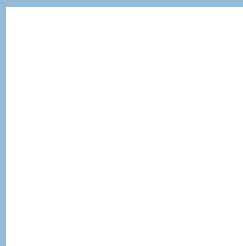
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1976, 46.7016, 71.7560

Background



This preview shows how black text looks on a background with the XYZ color 42.1976, 46.7016, 71.7560.



This preview shows how white text looks on a background with the XYZ color 42.1976, 46.7016,

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

42.1976, 46.7016, 71.7560

Protanopia

45.9836, 46.5758, 68.1944

Deuteranopia

47.4331, 46.3300, 72.7723



Tritanopia

40.5983, 46.6841, 63.9979

Trichromacy



Original Color

42.1976, 46.7016, 71.7560

Protanomaly

44.4608, 46.6704, 69.6157

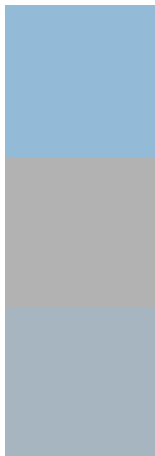
Deuteranomaly

45.4104, 46.4925, 72.2262

Tritanomaly

41.0454, 46.5402, 66.4943

Monochromacy



Original Color

42.1976, 46.7016, 71.7560

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.9747, 45.0690, 56.3561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1976, 46.7016, 71.7560 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, 187, 216)` looks like.

```
.text, #text, p{  
    color:rgb(147, 187, 216)  
}
```

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, 187, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 187, 216) }
```

Border

The CSS property to change the border of an element to XYZ 42.1976, 46.7016, 71.7560 is called "border". The border property can be set on classes, ids or directly on the HTML element.

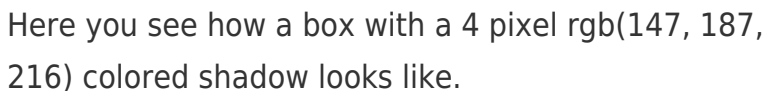
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 187, 216) }
```


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

```
.border{ border-color:rgb(147, 187, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 187, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 187, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 187, 216); box-shadow:4px 4px 4px 4px rgb(147, 187, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1976, 46.7016, 71.7560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 187, 216) }
```

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

```
.background{ background-color: rgb(147,  
187, 216) }
```

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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