

Converting Colors

XYZ(41.8132, 42.8299, 61.0257)

Have a look what the booklet for
XYZ(41.8132, 42.8299, 61.0257)
contains.

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Color

**XYZ(41.8271, 42.8140,
61.3177)**

Conversions

Conversions Part 1

Format	Color
Hex	A8AEC9
RGB	168, 174, 201
RGB Percent	66%, 68%, 79%
CMY	0.3412, 0.3176, 0.2118
CMYK	0.16, 0.13, 0.00, 0.21
HSL	229°, 23%, 72%
HSV	229°, 16%, 79%
XYZ	41.8271, 42.8140, 61.3177
YIQ	175.2840, -12.2430, 7.1250

Conversions

Conversions Part 2

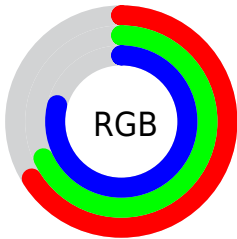
Format	Color
R _Y B	168, 173, 201
Decimal	11054793
CIE Lab	71.43, 3.47, -14.42
CIE LCh	71, 14.832, 283.520
Yxy	42.8140, 0.2866, 0.2933
Android (android.graphics.Color)	4289244873 (0xFFA8AEC9)
YUV	175.2840, 12.6780, -6.3881
Hunter-Lab	65.4324, -0.4021, -9.7589

Details

The XYZ color **41.8271, 42.8140, 61.3177** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.6706, 54.2746, 44.8521**, and the grayscale version is **40.8366, 42.9633, 46.7870**.

A 20% lighter version of the original color is **76.5007, 78.9466, 105.8139**, and **19.4285, 19.7387, 30.3897** is the 20% darker color. If you saturate the color by 10%, you get **34.8896, 34.8076, 60.1387**, and if you desaturate by 10%, it is **49.8176, 51.9428, 62.6593**.

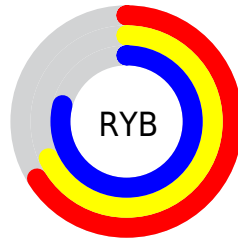
Distribution



Red (66%)

Green (68%)

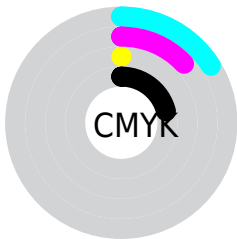
Blue (79%)



Red (66%)

Yellow (68%)

Blue (79%)

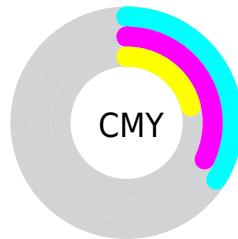


Cyan (16%)

Magenta (13%)

Yellow (0%)

Black (21%)



Cyan (34%)

Magenta (32%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8271, 42.8140, 61.3177 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 41.8271, 42.8140, 61.3177 by changing the saturation by 10% instead.

■ 41.8271, 42.8140,
61.3177

■ 41.8271, 42.8140,
61.3177

344.7695,
357.8463, 447.3767

■ 29.1564, 29.7392,
44.0494

■ 77.2047, 79.4301,
108.3008

■ 19.3441, 19.6407,
30.3719

■ 100.6423,
103.7402, 138.8527

■ 12.0246, 12.1342,
19.8666

128.3997,
132.5642, 174.6695

■ 6.8328, 6.8351,
12.1150

160.8421,
166.2865, 216.1698

■ 3.4031, 3.3592,
6.6985

198.3349,
205.2914, 263.7722

■ 1.3704, 1.3220,
3.1987

241.2436,

■ 0.2350, 0.1581,

249.9634, 317.8951

1.1970

289.9333,
300.6869, 378.9570

■ 0.0000, 0.0000,
0.0000

■ 41.8271, 42.8140,
61.3177

■ 41.8271, 42.8140,
61.3177

■ 34.8896, 34.8076,
60.1387

■ 49.8176, 51.9428,
62.6593

■ 28.9570, 27.8748,
59.1132

■ 58.8988, 62.2298,
64.1662

■ 23.9829, 21.9707,
58.2357

■ 69.1113, 73.7159,
65.8450

■ 19.9162, 17.0455,
57.4994

■ 80.4925, 86.4383,
67.7008

■ 16.7004, 13.0449,
56.8967

■ 87.5427, 96.9971,
69.3673

■ 14.2727, 9.9093,
56.4194

■ 12.5613, 7.5714,
56.0583

■ 11.4769, 5.9516,
55.8029

■ 11.1907, 5.5130,
55.7333

Harmonies

Analogous

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



39.3455, 42.8140, 61.0971



41.8271, 42.8140, 61.3177



44.0926, 42.8140, 57.3247

Triad

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



41.8271, 42.8140, 61.3177



44.2780, 42.8140, 37.7688



36.2576, 42.8140, 42.8214

Complementary

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



41.8271, 42.8140, 61.3177



50.6706, 54.2746, 44.8521

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.



37.4736, 42.8140, 37.3336



41.8271, 42.8140, 61.3177



42.0718, 42.8140, 34.6274

Square

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



41.8271, 42.8140, 61.3177



45.5463, 42.8140, 43.4735



39.5804, 42.8140, 34.4767



36.1981, 42.8140, 49.9088

Rectangle

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



41.8271, 42.8140, 61.3177



45.1476, 42.8140, 53.0262



39.5804, 42.8140, 34.4767



36.5423, 42.8140, 40.7466

Sweetspot

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



41.8284, 42.8158, 61.3187



87.2760, 91.1859, 107.6084



46.8805, 54.0367, 59.5601



18.4551, 19.2612, 22.9950



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.



41.8284, 42.8158, 61.3187



66.8156, 67.7849, 104.1700



43.0096, 41.7415, 61.0491



10.2101, 10.5943, 13.4243



7.0851, 3.5641, 35.0589



0.3844, 0.2665, 1.6763

Inverse Universe

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



45.7310, 43.4798, 46.0286



74.8782, 69.2639, 72.5575



49.3281, 55.6193, 45.1824



10.7113, 10.6679, 11.4632



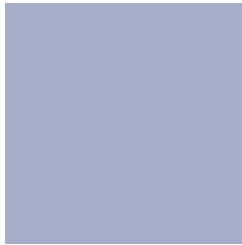
15.3756, 7.8998, 1.9217



0.7527, 0.3839, 0.2209

Previews

White Background



This preview shows how the XYZ color 41.8271, 42.8140, 61.3177 looks on a white background.

Color Contrast Check

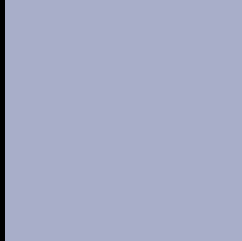
Large Text (above 18pt) WCAG AA × Fail

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 41.8271, 42.8140, 61.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

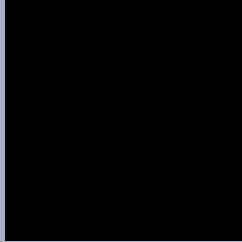
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8271, 42.8140, 61.3177

Background



This preview shows how black text looks on a background with the XYZ color 41.8271, 42.8140, 61.3177.



This preview shows how white text looks on a background with the XYZ color 41.8271, 42.8140,

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

41.8271, 42.8140, 61.3177

Protanopia

42.0637, 42.6502, 61.2737

Deuteranopia

43.6258, 42.5974, 61.7999



Tritanopia

40.5455, 42.8754, 54.8540

Trichromacy



Original Color

41.8271, 42.8140, 61.3177

Protanomaly

41.8484, 42.5392, 61.2636

Deuteranomaly

42.9028, 42.5040, 61.8200

Tritanomaly

41.0039, 42.7705, 57.1333

Monochromacy



Original Color

41.8271, 42.8140, 61.3177

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.9950, 42.8913, 51.4656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8271, 42.8140, 61.3177 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(168, 174, 201)` looks like.

```
.text, #text, p{  
    color:rgb(168, 174, 201)  
}
```

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(168, 174, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 174, 201) }
```

Border

The CSS property to change the border of an element to XYZ 41.8271, 42.8140, 61.3177 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(168, 174, 201) }
```


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

```
.border{ border-color:rgb(168, 174, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 174, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 174, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 174, 201);  
box-shadow:4px 4px 4px 4px rgb(168, 174,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8271, 42.8140, 61.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 174, 201) }
```

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

```
.background{ background-color: rgb(168,  
174, 201) }
```

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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