

Converting Colors

XYZ(47.1947, 49.6109, 61.1157)

Have a look what the booklet for
XYZ(47.1947, 49.6109, 61.1157)
contains.

XYZ(47.1352, 49.4879, 61.1007)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.1352, 49.4879,
61.1007)**

Conversions

Conversions Part 1

Format	Color
Hex	B5BBC7
RGB	181, 187, 199
RGB Percent	71%, 73%, 78%
CMY	0.2902, 0.2667, 0.2196
CMYK	0.09, 0.06, 0.00, 0.22
HSL	220°, 14%, 75%
HSV	220°, 9%, 78%
XYZ	47.1352, 49.4879, 61.1007
YIQ	186.5740, -7.4280, 2.4600

Conversions

Conversions Part 2

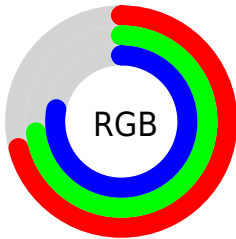
Format	Color
R _Y B	181, 186, 199
Decimal	11910087
CIE Lab	75.75, 0.28, -6.77
CIE LCh	76, 6.774, 272.332
Yxy	49.4879, 0.2988, 0.3138
Android (android.graphics.Color)	4290100167 (0xFFB5BBC7)
YUV	186.5740, 6.1260, -4.8884
Hunter-Lab	70.3476, -3.5076, -2.2532

Details

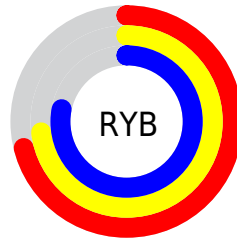
The XYZ color **47.1352, 49.4879, 61.1007** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.9639, 53.6180, 51.3803**, and the grayscale version is **46.9650, 49.4109, 53.8084**.

A 20% lighter version of the original color is **85.0256, 89.3257, 107.3680**, and **22.5380, 23.6837, 30.1716** is the 20% darker color. If you saturate the color by 10%, you get **40.1133, 41.8831, 60.0037**, and if you desaturate by 10%, it is **55.0864, 57.9604, 62.3177**.

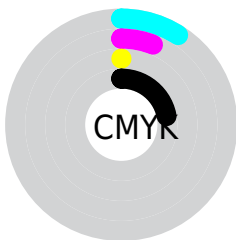
Distribution



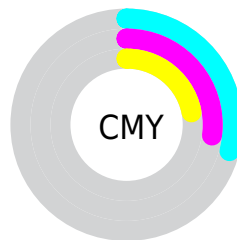
- Red (71%)
- Green (73%)
- Blue (78%)



- Red (71%)
- Yellow (73%)
- Blue (78%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (29%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1352, 49.4879, 61.1007 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 47.1352, 49.4879, 61.1007 by changing the saturation by 10% instead.

■ 47.1352, 49.4879,
61.1007

■ 47.1352, 49.4879,
61.1007

365.9938,
384.6599, 446.5599

■ 33.3509, 35.0067,
43.8754

■ 85.1329, 89.4157,
107.9837

■ 22.5559, 23.6680,
30.2361

110.0771,
115.6310, 138.4784

■ 14.3849, 15.0875,
19.7643

139.4719,
146.5265, 174.2333

■ 8.4723, 8.8808,
12.0414

173.6828,
182.4865, 215.6670

■ 4.4530, 4.6635,
6.6490

213.0751,
223.8954, 263.1979

■ 1.9614, 2.0512,
3.1685

258.0141,

■ 0.6122, 0.6370,

271.1377, 317.2447

1.1813

308.8652,
324.5978, 378.2259

■ 0.0000, 0.0000,
0.0000

■ 47.1352, 49.4879,
61.1007

■ 47.1352, 49.4879,
61.1007

■ 40.1133, 41.8831,
60.0037

■ 55.0864, 57.9604,
62.3177

■ 33.9813, 35.1111,
59.0197

■ 63.9958, 67.3213,
63.6550

■ 28.7032, 29.1439,
58.1462

■ 73.8963, 77.5986,
65.1169

■ 24.2388, 23.9495,
57.3788

■ 82.7267, 87.7390,
66.6088

■ 20.5445, 19.4933,
56.7134

■ 86.7766, 95.8388,
67.9588

■ 17.5723, 15.7382,
56.1453

■ 87.3090, 96.9036,
68.1362

■ 15.2683, 12.6428,
55.6692

■ 13.5699, 10.1608,
55.2797

■ 12.3775, 8.2253,
54.9689

Harmonies

Analogous

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



45.9233, 49.4879, 60.2502



47.1352, 49.4879, 61.1007



48.3414, 49.4879, 59.9472

Triad

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



47.1352, 49.4879, 61.1007



49.1088, 49.4879, 50.2658



44.9284, 49.4879, 50.7331

Complementary

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



47.1352, 49.4879, 61.1007



50.9639, 53.6180, 51.3803

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.



45.7558, 49.4879, 48.2439



47.1352, 49.4879, 61.1007



48.1681, 49.4879, 47.9827

Square

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



47.1352, 49.4879, 61.1007



49.4934, 49.4879, 53.6027



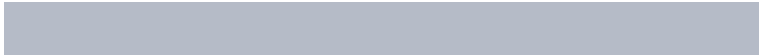
46.9385, 49.4879, 47.2590



44.6628, 49.4879, 54.1661

Rectangle

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



47.1352, 49.4879, 61.1007



48.9761, 49.4879, 58.2257



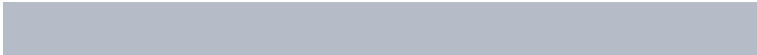
46.9385, 49.4879, 47.2590



45.1493, 49.4879, 49.7635

Sweetspot

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



47.1366, 49.4900, 61.1018



90.6862, 95.3676, 108.2359



49.0726, 54.5084, 58.2124



19.1665, 20.1528, 23.1296



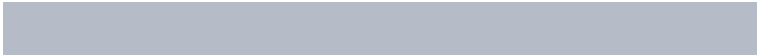
0.0000, 0.0000, 0.0000



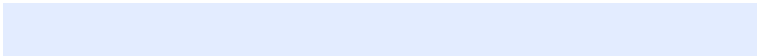
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1366, 49.4900, 61.1018



79.7958, 83.7089, 106.5595



46.5290, 47.3256, 60.7161



10.3409, 10.8558, 13.4678



7.9677, 5.3294, 35.3531



0.4442, 0.3862, 1.6963

Inverse Universe

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



49.0479, 48.7788, 53.8462



83.8799, 82.2446, 91.0425



51.6078, 55.9600, 51.7984



10.7773, 10.6943, 11.8107



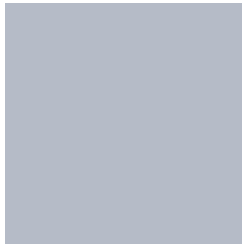
15.8211, 8.0780, 4.2677



0.7829, 0.3960, 0.3800

Previews

White Background



This preview shows how the XYZ color 47.1352, 49.4879, 61.1007 looks on a white background.

Color Contrast Check

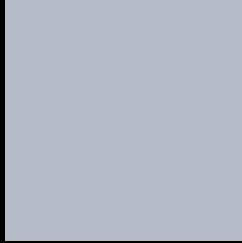
Large Text (above 18pt) WCAG AA × Fail

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 47.1352, 49.4879, 61.1007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

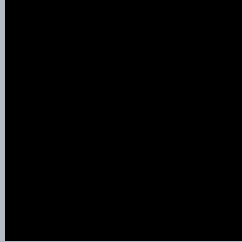
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

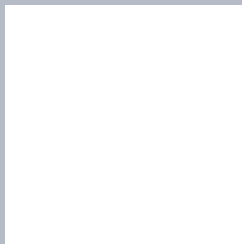
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1352, 49.4879, 61.1007

Background



This preview shows how black text looks on a background with the XYZ color 47.1352, 49.4879, 61.1007.

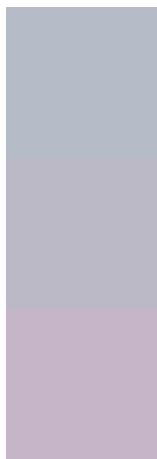


This preview shows how white text looks on a background with the XYZ color 47.1352, 49.4879,

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

47.1352, 49.4879, 61.1007

Protanopia

48.0355, 49.3399, 60.4179

Deuteranopia

50.2379, 49.2236, 61.4969



Tritanopia

47.3690, 49.5815, 62.3319

Trichromacy



Original Color

47.1352, 49.4879, 61.1007

Protanomaly

47.7595, 49.5093, 60.4651

Deuteranomaly

49.0970, 49.2436, 61.5608

Tritanomaly

47.2517, 49.5345, 61.7143

Monochromacy



Original Color

47.1352, 49.4879, 61.1007

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.1819, 49.6165, 56.3804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1352, 49.4879, 61.1007 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(181, 187, 199)` looks like.

```
.text, #text, p{  
    color:rgb(181, 187, 199)  
}
```

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(181, 187, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 187, 199) }
```

Border

The CSS property to change the border of an element to XYZ 47.1352, 49.4879, 61.1007 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(181, 187, 199) }
```


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

```
.border{ border-color:rgb(181, 187, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 187, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 187, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 187, 199);  
box-shadow:4px 4px 4px 4px rgb(181, 187,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1352, 49.4879, 61.1007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 187, 199) }
```

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

```
.background{ background-color: rgb(181,  
187, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor