

Converting Colors

XYZ(46.2609, 49.1577, 61.5541)

Have a look what the booklet for
XYZ(46.2609, 49.1577, 61.5541)
contains.

XYZ(46.1001, 48.9409, 61.6604)	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(46.1001, 48.9409,
61.6604)**

Conversions

Conversions Part 1

Format	Color
Hex	B0BBC8
RGB	176, 187, 200
RGB Percent	69%, 73%, 78%
CMY	0.3098, 0.2666, 0.2157
CMYK	0.12, 0.06, 0.00, 0.22
HSL	212°, 18%, 74%
HSV	212°, 12%, 78%
XYZ	46.1001, 48.9409, 61.6604
YIQ	185.1930, -10.7290, 1.7110

Conversions

Conversions Part 2

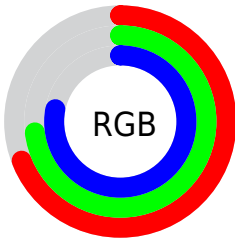
Format	Color
R_{YB}	176, 184, 200
Decimal	11582408
CIE _{Lab}	75.41, -1.18, -7.86
CIE _{LCh}	75, 7.944, 261.456
Yxy	48.9409, 0.2942, 0.3123
Android (android.graphics.Color)	4289772488 (0xFFB0BBC8)
YUV	185.1930, 7.2999, -8.0623
Hunter-Lab	69.9578, -4.7999, -3.2874

Details

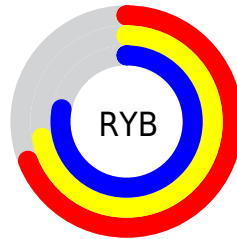
The XYZ color **46.1001, 48.9409, 61.6604** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.8536, 51.8087, 48.4476**, and the grayscale version is **46.1876, 48.5929, 52.9177**.

A 20% lighter version of the original color is **83.3793, 88.4770, 107.2909**, and **21.8818, 23.3365, 30.5452** is the 20% darker color. If you saturate the color by 10%, you get **39.6954, 42.3569, 60.7279**, and if you desaturate by 10%, it is **53.3473, 56.2191, 62.6840**.

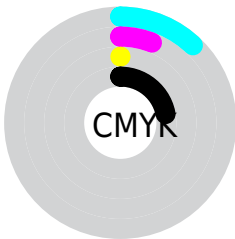
Distribution



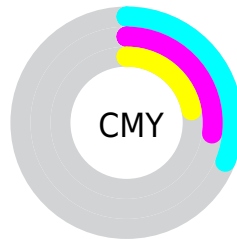
- Red (69%)
- Green (73%)
- Blue (78%)



- Red (69%)
- Yellow (72%)
- Blue (78%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (31%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1001, 48.9409, 61.6604 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 46.1001, 48.9409, 61.6604 by changing the saturation by 10% instead.

■ 46.1001, 48.9409,
61.6604

■ 46.1001, 48.9409,
61.6604

361.9201,
382.5096, 448.6647

■ 32.5298, 34.5726,
44.3243

■ 83.5957, 88.6037,
108.8014

■ 21.9240, 23.3338,
30.5865

108.2518,
114.6669, 139.4434

■ 13.9173, 14.8402,
20.0284

137.3337,
145.3973, 175.3578

■ 8.1445, 8.7073,
12.2314

171.2070,
181.1792, 216.9631

■ 4.2401, 4.5508,
6.7770

210.2369,
222.3970, 264.6780

■ 1.8389, 1.9862,
3.2467

254.7888,

■ 0.5409, 0.5994,

269.4350, 318.9208

1.2219

305.2281,
322.6778, 380.1102

■ 0.0000, 0.0000,
0.0000

■ 46.1001, 48.9409,
61.6604

■ 46.1001, 48.9409,
61.6604

■ 39.6954, 42.3569,
60.7279

■ 53.3473, 56.2191,
62.6840

■ 34.0960, 36.4385,
59.8806

■ 61.4635, 64.2067,
63.7980

■ 29.2683, 31.1637,
59.1170

■ 70.4796, 72.9262,
65.0059

■ 25.1744, 26.5069,
58.4339

■ 80.0537, 82.2066,
66.2925

■ 21.7730, 22.4406,
57.8283

■ 83.1679, 88.4350,
67.3306

■ 19.0182, 18.9346,
57.2967

■ 86.4727, 95.0447,
68.4322

■ 16.8580, 15.9551,
56.8355

■ 87.4255, 96.9502,
68.7498

■ 15.2306, 13.4633,
56.4403

■ 14.2260, 11.7712,
56.1666

Harmonies

Analogous

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



44.7856, 48.9409, 59.8422



46.1001, 48.9409, 61.6604



47.5536, 48.9409, 61.1449

Triad

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



46.1001, 48.9409, 61.6604



49.1848, 48.9409, 50.3949



44.3508, 48.9409, 48.4235

Complementary

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



46.1001, 48.9409, 61.6604



49.8536, 51.8087, 48.4476

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.



45.4953, 48.9409, 46.1353



46.1001, 48.9409, 61.6604



48.2921, 48.9409, 47.2313

Square

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



46.1001, 48.9409, 61.6604



49.3550, 48.9409, 54.4945



46.9361, 48.9409, 45.7106



43.7897, 48.9409, 52.1001

Rectangle

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



46.1001, 48.9409, 61.6604



48.4045, 48.9409, 59.5583



46.9361, 48.9409, 45.7106



44.6789, 48.9409, 47.4746

Sweetspot

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



46.1015, 48.9429, 61.6615



89.6595, 94.6427, 108.1500



47.7232, 54.2049, 55.9785



18.9798, 20.0466, 23.1190



0.0000, 0.0000, 0.0000



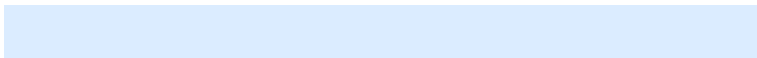
20.3446, 21.4041, 23.3091

Same Dimension

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



46.1015, 48.9429, 61.6615



77.2534, 82.1259, 106.3879



44.0374, 44.5452, 60.9214



10.4506, 11.0753, 13.5044



9.1327, 7.6593, 35.7414



0.5046, 0.5071, 1.7164

Inverse Universe

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



48.3155, 46.9188, 53.5259



81.7418, 78.1165, 89.8731



52.0978, 56.6135, 49.2567



10.8327, 10.7165, 12.1024



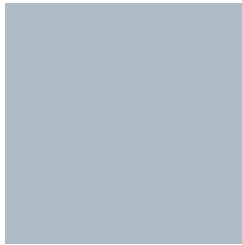
16.4091, 8.3132, 7.3641



0.8134, 0.4082, 0.5406

Previews

White Background



This preview shows how the XYZ color 46.1001, 48.9409, 61.6604 looks on a white background.

Color Contrast Check

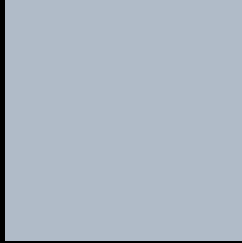
Large Text (above 18pt) WCAG AA × Fail

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 46.1001, 48.9409, 61.6604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

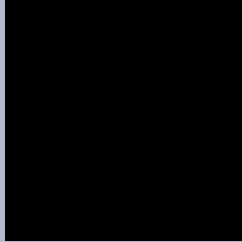
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1001, 48.9409, 61.6604

Background



This preview shows how black text looks on a background with the XYZ color 46.1001, 48.9409, 61.6604.



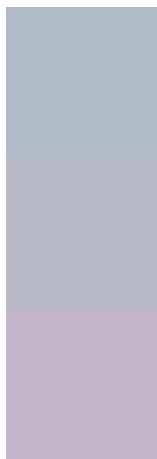
This preview shows how white text looks on a background with the XYZ color 46.1001, 48.9409,

61.6604.

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

46.1001, 48.9409, 61.6604

Protanopia

47.3411, 48.6725, 60.3257

Deuteranopia

49.6288, 48.5953, 62.0225



Tritanopia

46.3355, 49.0350, 62.8997

Trichromacy



Original Color

46.1001, 48.9409, 61.6604

Protanomaly

46.9492, 48.7665, 60.9712

Deuteranomaly

48.4624, 48.9028, 62.1433

Tritanomaly

46.2174, 48.9878, 62.2780

Monochromacy



Original Color

46.1001, 48.9409, 61.6604

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.1446, 48.7806, 55.6987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1001, 48.9409, 61.6604 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(176, 187, 200)` looks like.

```
.text, #text, p{  
    color:rgb(176, 187, 200)  
}
```

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(176, 187, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 187, 200) }
```

Border

The CSS property to change the border of an element to XYZ 46.1001, 48.9409, 61.6604 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(176, 187, 200) }
```


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

```
.border{ border-color:rgb(176, 187, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 187, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 187, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 187, 200);  
box-shadow:4px 4px 4px 4px rgb(176, 187,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1001, 48.9409, 61.6604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 187, 200) }
```

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

```
.background{ background-color: rgb(176,  
187, 200) }
```

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