

Converting Colors

XYZ(48.3567, 52.2849, 61.7364)

Have a look what the booklet for
XYZ(48.3567, 52.2849, 61.7364)
contains.

XYZ(48.4230, 52.4104, 61.5969)	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(48.4230, 52.4104,
61.5969)**

Conversions

Conversions Part 1

Format	Color
Hex	B4C2C7
RGB	180, 194, 199
RGB Percent	71%, 76%, 78%
CMY	0.2941, 0.2392, 0.2196
CMYK	0.10, 0.03, 0.00, 0.22
HSL	196°, 15%, 74%
HSV	196°, 10%, 78%
XYZ	48.4230, 52.4104, 61.5969
YIQ	190.3840, -9.9490, -1.4130

Conversions

Conversions Part 2

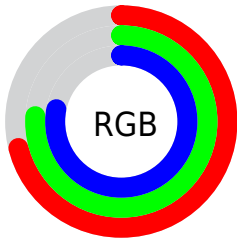
Format	Color
RYB	180, 188, 199
Decimal	11846343
CIELab	77.53, -3.79, -4.16
CIELCh	78, 5.627, 227.667
Yxy	52.4104, 0.2981, 0.3227
Android (android.graphics.Color)	4290036423 (0xFFB4C2C7)
YUV	190.3840, 4.2477, -9.1068
Hunter-Lab	72.3950, -7.2977, 0.2300

Details

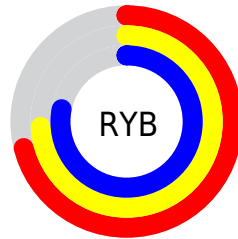
The XYZ color **48.4230, 52.4104, 61.5969** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.1407, 50.1351, 50.2680**, and the grayscale version is **49.1465, 51.7060, 56.3078**.

A 20% lighter version of the original color is **86.8277, 93.4241, 108.0641**, and **23.2413, 25.3125, 30.4489** is the 20% darker color. If you saturate the color by 10%, you get **42.9748, 47.9042, 61.0151**, and if you desaturate by 10%, it is **54.5805, 57.3460, 62.2258**.

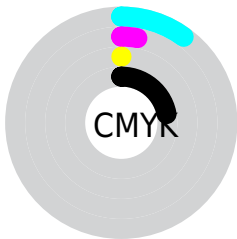
Distribution



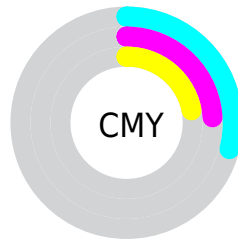
- Red (71%)
- Green (76%)
- Blue (78%)



- Red (71%)
- Yellow (74%)
- Blue (78%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)



- Cyan (29%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4230, 52.4104, 61.5969 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 48.4230, 52.4104, 61.5969 by changing the saturation by 10% instead.

■ 48.4230, 52.4104,
61.5969

■ 48.4230, 52.4104,
61.5969

371.0211,
396.0189, 448.4262

■ 34.3746, 37.3323,
44.2734

■ 87.0398, 93.7362,
108.7087

■ 23.3458, 25.4649,
30.5467

112.3389,
120.7527, 139.3340

■ 14.9712, 16.4237,
19.9984

142.1189,
152.5175, 175.2303

■ 8.8853, 9.8245,
12.2098

176.7453,
189.4149, 216.8162

■ 4.7230, 5.2828,
6.7624

216.5834,
231.8293, 264.5102

■ 2.1187, 2.4141,
3.2378

261.9985,

■ 0.6994, 0.8331,

280.1452, 318.7309

1.2173

313.3559,
334.7470, 379.8967

■ 0.0000, 0.0000,
0.0000

■ 48.4230, 52.4104,
61.5969

■ 48.4230, 52.4104,
61.5969

■ 42.9748, 47.9042,
61.0151

■ 54.5805, 57.3460,
62.2258

■ 38.2026, 43.8053,
60.4754

■ 61.4695, 62.7188,
62.8998

■ 34.0773, 40.0996,
59.9776

■ 69.1172, 68.5449,
63.6213

■ 30.5658, 36.7694,
59.5199

■ 75.8341, 73.9538,
64.3113

■ 27.6319, 33.7953,
59.1005

■ 77.1878, 76.6612,
64.7625

■ 25.2354, 31.1560,
58.7173

■ 78.5845, 79.4546,
65.2281

■ 23.3307, 28.8273,
58.3682

■ 80.0246, 82.3349,
65.7081

■ 21.8639, 26.7807,
58.0505

■ 81.5085, 85.3027,
66.2028

■ 20.7383, 24.9656,
57.7595

■ 83.0366, 88.3588,
66.7121

Harmonies

Analogous

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



47.8534, 52.4104, 58.8982



48.4230, 52.4104, 61.5969



49.3703, 52.4104, 63.1030

Triad

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



48.4230, 52.4104, 61.5969



51.8801, 52.4104, 58.3515



49.1842, 52.4104, 51.5612

Complementary

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



48.4230, 52.4104, 61.5969



49.1407, 50.1351, 50.2680

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.



50.2614, 52.4104, 51.4269



48.4230, 52.4104, 61.5969



51.8285, 52.4104, 55.2722

Square

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



48.4230, 52.4104, 61.5969



51.3724, 52.4104, 61.1842



51.2324, 52.4104, 52.7629



48.2884, 52.4104, 53.1369

Rectangle

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



48.4230, 52.4104, 61.5969



50.0933, 52.4104, 63.1934



51.2324, 52.4104, 52.7629



49.5367, 52.4104, 51.3481

Sweetspot

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



48.4245, 52.4126, 61.5981



91.6528, 97.3008, 108.5581



47.9773, 54.0433, 53.6643



19.4274, 20.6745, 23.2166



0.0000, 0.0000, 0.0000



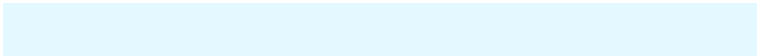
20.3446, 21.4041, 23.3091

Same Dimension

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



48.4245, 52.4126, 61.5981



83.1643, 90.4458, 107.6823



46.4288, 48.4212, 60.9328



10.7016, 11.5772, 13.5881



13.3787, 16.1513, 37.1567



0.6902, 0.8782, 1.7783

Inverse Universe

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



49.6133, 48.6808, 57.8229



85.5802, 82.9247, 99.9958



51.1398, 54.1333, 50.9344



10.9594, 10.7671, 12.7695



18.5523, 9.1705, 18.6499



0.9071, 0.4457, 1.0338

Previews

White Background



This preview shows how the XYZ color 48.4230, 52.4104, 61.5969 looks on a white background.

Color Contrast Check

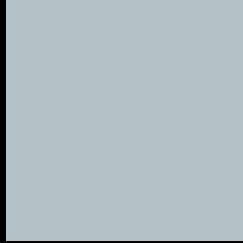
Large Text (above 18pt) WCAG AA × Fail

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 48.4230, 52.4104, 61.5969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

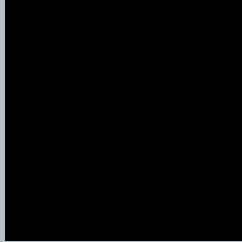
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

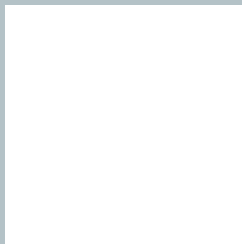
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4230, 52.4104, 61.5969

Background



This preview shows how black text looks on a background with the XYZ color 48.4230, 52.4104, 61.5969.



This preview shows how white text looks on a background with the XYZ color 48.4230, 52.4104,

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

48.4230, 52.4104, 61.5969

Protanopia

50.4838, 52.1956, 60.2373

Deuteranopia

53.5551, 52.4567, 62.5608



Tritanopia

49.7465, 52.6391, 67.2129

Trichromacy



Original Color

48.4230, 52.4104, 61.5969

Protanomaly

49.5629, 52.0302, 60.8567

Deuteranomaly

51.6489, 52.4356, 62.0425

Tritanomaly

49.1455, 52.3715, 65.2761

Monochromacy



Original Color

48.4230, 52.4104, 61.5969

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.5061, 51.5510, 57.8459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4230, 52.4104, 61.5969 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(180, 194, 199)` looks like.

```
.text, #text, p{  
    color:rgb(180, 194, 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(180, 194, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 194, 199) }
```

Border

The CSS property to change the border of an element to XYZ 48.4230, 52.4104, 61.5969 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(180, 194, 199) }
```


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

```
.border{ border-color:rgb(180, 194, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 194, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 194, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 194, 199);  
box-shadow:4px 4px 4px 4px rgb(180, 194,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4230, 52.4104, 61.5969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 194, 199) }
```

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

```
.background{ background-color: rgb(180,  
194, 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](#).

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