

Converting Colors

XYZ(48.2451, 52.9096, 45.1918)

Have a look what the booklet for
XYZ(48.2451, 52.9096, 45.1918)
contains.

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Color

**XYZ(48.4148, 53.1013,
45.2340)**

Conversions

Conversions Part 1

Format	Color
Hex	C0C3A9
RGB	192, 195, 169
RGB Percent	75%, 76%, 66%
CMY	0.2471, 0.2353, 0.3372
CMYK	0.02, 0.00, 0.13, 0.24
HSL	67°, 18%, 71%
HSV	67°, 13%, 76%
XYZ	48.4148, 53.1013, 45.2340
YIQ	191.1390, 6.5580, -8.7220

Conversions

Conversions Part 2

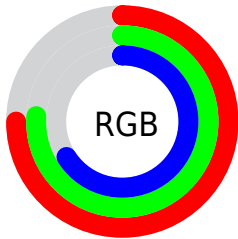
Format	Color
RYB	169, 195, 172
Decimal	12633001
CIELab	77.93, -5.58, 12.72
CIElCh	78, 13.891, 113.663
Yxy	53.1013, 0.3299, 0.3618
Android (android.graphics.Color)	4290823081 (0xFFC0C3A9)
YUV	191.1390, -10.9145, 0.7551
Hunter-Lab	72.8706, -8.9293, 14.2055

Details

The XYZ color **48.4148, 53.1013, 45.2340** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.0537, 41.0882, 57.3997**, and the grayscale version is **49.6618, 52.2481, 56.8982**.

A 20% lighter version of the original color is **86.9763, 94.9591, 84.2658**, and **23.2170, 25.7374, 20.5738** is the 20% darker color. If you saturate the color by 10%, you get **46.1534, 52.1331, 36.2741**, and if you desaturate by 10%, it is **50.9609, 54.1879, 55.6346**.

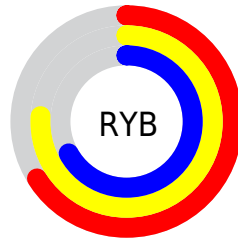
Distribution



Red (75%)

Green (76%)

Blue (66%)



Red (66%)

Yellow (76%)

Blue (67%)

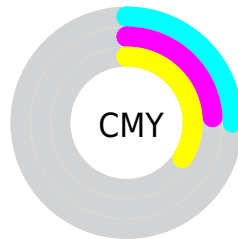


Cyan (2%)

Magenta (0%)

Yellow (13%)

Black (24%)



Cyan (25%)

Magenta (24%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4148, 53.1013, 45.2340 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 48.4148, 53.1013, 45.2340 by changing the saturation by 10% instead.

■ 48.4148, 53.1013,
45.2340

■ 48.4148, 53.1013,
45.2340

370.9892,
398.6736, 383.9082

■ 34.3681, 37.8836,
31.2975

■ 87.0276, 94.7534,
84.3936

■ 23.3408, 25.8924,
20.5651

112.3245,
121.9567, 110.4538

■ 14.9674, 16.7432,
12.6184

142.1021,
153.9239, 141.3923

■ 8.8827, 10.0515,
7.0387

176.7259,
191.0395, 177.6276

■ 4.7212, 5.4331,
3.4075

216.5611,
233.6879, 219.5783

■ 2.1177, 2.5036,
1.3063

261.9732,

■ 0.6988, 0.8784,

282.2534, 267.6630

0.0669

313.3274,
337.1206, 322.3001

■ 0.0000, 0.0000,
0.0000

■ 48.4148, 53.1013,
45.2340

■ 48.4148, 53.1013,
45.2340

■ 46.1534, 52.1331,
36.2741

■ 50.9609, 54.1879,
55.6346

■ 44.1604, 51.2715,
28.6882

■ 53.7986, 55.3904,
67.5321

■ 42.4241, 50.5136,
22.4091

■ 56.9403, 56.7155,
80.9838

■ 40.9304, 49.8537,
17.3629

■ 60.3960, 58.1672,
96.0428

■ 39.6640, 49.2857,
13.4682

■ 62.2671, 58.9862,
102.7114

■ 38.6073, 48.8026,
10.6337

■ 62.8862, 59.3053,
102.7404

■ 37.7405, 48.3965,
8.7546

■ 63.5142, 59.6291,
102.7698

■ 37.0395, 48.0576,
7.7046

■ 64.1513, 59.9575,
102.7996

■ 36.6342, 47.8571,
7.3065

■ 64.7974, 60.2906,
102.8298

Harmonies

Analogous

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



51.0468, 53.1013, 44.2563



48.4148, 53.1013, 45.2340



46.4011, 53.1013, 49.4432

Triad

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



48.4148, 53.1013, 45.2340



47.4552, 53.1013, 70.6500



55.8124, 53.1013, 59.4761

Complementary

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



48.4148, 53.1013, 45.2340



41.0537, 41.0882, 57.3997

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.



54.7726, 53.1013, 67.0895



48.4148, 53.1013, 45.2340



49.9000, 53.1013, 73.9014

Square

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



48.4148, 53.1013, 45.2340



45.8611, 53.1013, 63.9974



52.5850, 53.1013, 72.5436



55.3804, 53.1013, 52.0503

Rectangle

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



48.4148, 53.1013, 45.2340



45.6484, 53.1013, 53.7335



52.5850, 53.1013, 72.5436



55.6222, 53.1013, 62.1050

Sweetspot

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



48.4162, 53.1036, 45.2351



90.9177, 96.8977, 98.1931



44.3454, 43.8212, 43.6580



19.8302, 21.1857, 21.1735



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.



48.4162, 53.1036, 45.2351



85.4776, 94.5771, 76.0758



45.3615, 51.5288, 45.0922



10.7952, 11.6974, 10.7507



23.8546, 31.1264, 4.7507



1.0638, 1.3620, 0.2068

Inverse Universe

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



41.0537, 41.0882, 57.3997



69.7335, 68.8823, 102.0901



43.9512, 42.5820, 57.5353



9.6340, 9.8025, 12.6691



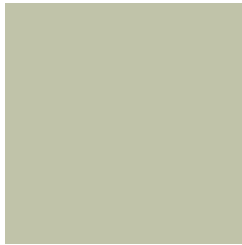
6.6622, 2.6949, 33.7257



0.3246, 0.1354, 1.4589

Previews

White Background



This preview shows how the XYZ color 48.4148, 53.1013, 45.2340 looks on a white background.

Color Contrast Check

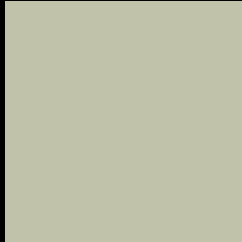
Large Text (above 18pt) WCAG AA × Fail

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 48.4148, 53.1013, 45.2340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

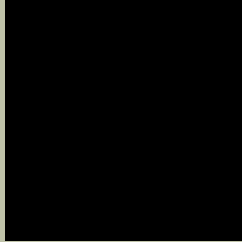
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

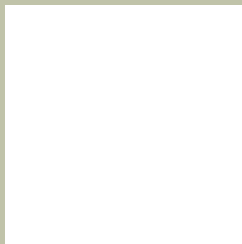
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4148, 53.1013, 45.2340

Background



This preview shows how black text looks on a background with the XYZ color 48.4148, 53.1013, 45.2340.



This preview shows how white text looks on a background with the XYZ color 48.4148, 53.1013,

45.2340.

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

48.4148, 53.1013, 45.2340

Protanopia

50.1818, 53.0459, 44.1532

Deuteranopia

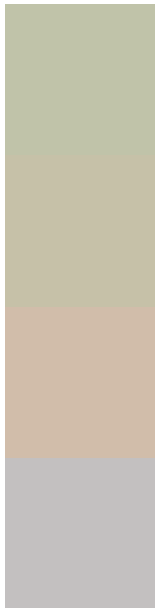
54.1230, 53.1182, 45.9283



Tritanopia

52.4589, 53.1050, 65.2430

Trichromacy



Original Color

48.4148, 53.1013, 45.2340

Protanomaly

49.4265, 52.9728, 44.6655

Deuteranomaly

51.7478, 52.8528, 45.5044

Tritanomaly

50.8697, 53.1071, 57.4388

Monochromacy



Original Color

48.4148, 53.1013, 45.2340

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.8827, 52.1945, 52.2979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4148, 53.1013, 45.2340 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(192, 195, 169)` looks like.

```
.text, #text, p{  
    color:rgb(192, 195, 169)  
}
```

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(192, 195, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 195, 169) }
```

Border

The CSS property to change the border of an element to XYZ 48.4148, 53.1013, 45.2340 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(192, 195, 169) }
```


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

```
.border{ border-color:rgb(192, 195, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 195, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 195, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 195, 169);  
box-shadow:4px 4px 4px 4px rgb(192, 195,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4148, 53.1013, 45.2340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 195, 169) }
```

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

```
.background{ background-color: rgb(192,  
195, 169) }
```

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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