

Converting Colors

XYZ(49.9747, 53.6891, 62.1513)

Have a look what the booklet for
XYZ(49.9747, 53.6891, 62.1513)
contains.

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Color

**XYZ(49.9480, 53.5146,
62.3404)**

Conversions

Conversions Part 1

Format	Color
Hex	B9C3C8
RGB	185, 195, 200
RGB Percent	73%, 76%, 78%
CMY	0.2745, 0.2353, 0.2157
CMYK	0.07, 0.02, 0.00, 0.22
HSL	200°, 12%, 75%
HSV	200°, 7%, 78%
XYZ	49.9480, 53.5146, 62.3404
YIQ	192.5800, -7.5650, -0.5650

Conversions

Conversions Part 2

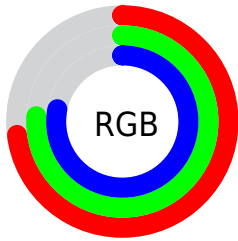
Format	Color
R _Y B	185, 191, 200
Decimal	12174280
CIE Lab	78.18, -2.45, -3.70
CIE LCh	78, 4.437, 236.455
Yxy	53.5146, 0.3012, 0.3228
Android (android.graphics.Color)	4290364360 (0xFFB9C3C8)
YUV	192.5800, 3.6581, -6.6477
Hunter-Lab	73.1537, -6.1424, 0.6816

Details

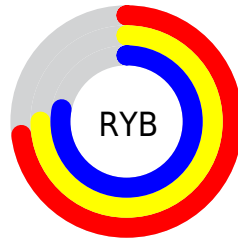
The XYZ color **49.9480, 53.5146, 62.3404** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.9901, 52.6087, 53.3668**, and the grayscale version is **50.4258, 53.0518, 57.7735**.

A 20% lighter version of the original color is **89.1360, 95.5416, 108.3511**, and **24.2289, 26.0306, 30.9415** is the 20% darker color. If you saturate the color by 10%, you get **43.9991, 48.2823, 61.6448**, and if you desaturate by 10%, it is **56.6453, 59.2346, 63.0923**.

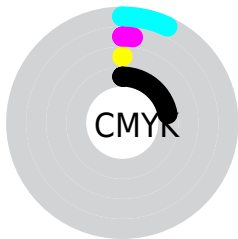
Distribution



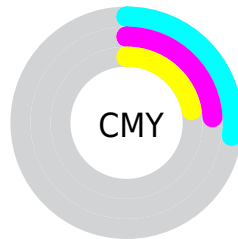
- Red (73%)
- Green (76%)
- Blue (78%)



- Red (73%)
- Yellow (75%)
- Blue (78%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)



- Cyan (27%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9480, 53.5146, 62.3404 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 49.9480, 53.5146, 62.3404 by changing the saturation by 10% instead.

■ 49.9480, 53.5146,
62.3404

■ 49.9480, 53.5146,
62.3404

376.9179,
400.2563, 451.2136

■ 35.5897, 38.2137,
44.8702

■ 89.2901, 95.3612,
109.7937

■ 24.2861, 26.1486,
31.0130

115.0046,
122.6757, 140.6140

■ 15.6719, 16.9349,
20.3502

145.2353,
154.7635, 176.7213

■ 9.3816, 10.1881,
12.4633

180.3474,
192.0090, 218.5343

■ 5.0500, 5.5238,
6.9337

220.7064,
234.7967, 266.4715

■ 2.3117, 2.5578,
3.3428

266.6776,

■ 0.8006, 0.9055,

283.5109, 320.9514

1.2722

318.6263,
338.5359, 382.3926

■ 0.0000, 0.0000,
0.0389

■ 0.0000, 0.0000,
0.0000

■ 49.9480, 53.5146,
62.3404

■ 49.9480, 53.5146,
62.3404

■ 43.9991, 48.2823,
61.6448

■ 56.6453, 59.2346,
63.0923

■ 38.7650, 43.5145,
61.0004

■ 64.1138, 65.4509,
63.8985

■ 34.2162, 39.1965,
60.4067

■ 72.3810, 72.1802,
64.7617

■ 30.3193, 35.3094,
59.8618

■ 77.6954, 77.4899,
65.5065

■ 27.0378, 31.8333,
59.3638

■ 79.4965, 81.0923,
66.1069

■ 24.3315, 28.7460,
58.9105

■ 81.3684, 84.8360,
66.7308

■ 22.1549, 26.0226,
58.4996

■ 83.3117, 88.7226,
67.3786

■ 20.4551, 23.6344,
58.1282

■ 85.3272, 92.7537,
68.0504

■ 19.1575, 21.5414,
57.7926

■ 87.4157, 96.9307,
68.7466

Harmonies

Analogous

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



49.3855, 53.5146, 60.4221



49.9480, 53.5146, 62.3404



50.7610, 53.5146, 63.1666

Triad

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



49.9480, 53.5146, 62.3404



52.5468, 53.5146, 58.5641



50.1247, 53.5146, 54.0959

Complementary

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



49.9480, 53.5146, 62.3404



50.9901, 52.6087, 53.3668

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.



50.9672, 53.5146, 53.6300



49.9480, 53.5146, 62.3404



52.3718, 53.5146, 56.1663

Square

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



49.9480, 53.5146, 62.3404



52.2667, 53.5146, 60.9477



51.7912, 53.5146, 54.3775



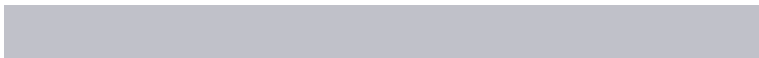
49.4867, 53.5146, 55.6686

Rectangle

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



49.9480, 53.5146, 62.3404



51.3379, 53.5146, 62.9700



51.7912, 53.5146, 54.3775



50.3931, 53.5146, 53.8067

Sweetspot

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



49.9495, 53.5169, 62.3416



92.6589, 97.9663, 108.6335



49.9297, 55.3305, 56.6212



19.8579, 20.9902, 23.2548



0.0000, 0.0000, 0.0000



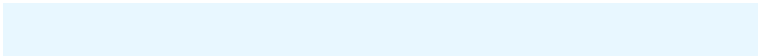
20.3446, 21.4041, 23.3091

Same Dimension

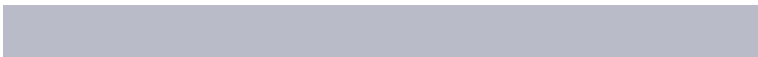
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.9495, 53.5169, 62.3416



84.7142, 91.1227, 107.7313



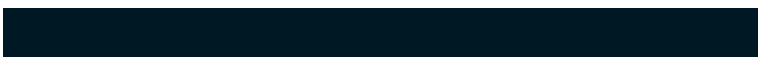
48.3636, 50.3451, 61.8129



10.6375, 11.4492, 13.5667



12.0795, 13.5530, 36.7237



0.6365, 0.7709, 1.7604

Inverse Universe

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



51.0199, 50.9185, 58.7716



86.9540, 85.7387, 100.2490



52.6003, 55.8292, 53.9036



10.9271, 10.7542, 12.5993



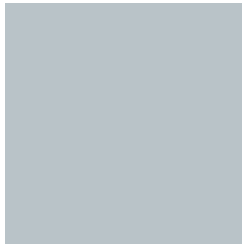
17.8965, 8.9082, 15.1969



0.8800, 0.4348, 0.8912

Previews

White Background



This preview shows how the XYZ color 49.9480, 53.5146, 62.3404 looks on a white background.

Color Contrast Check

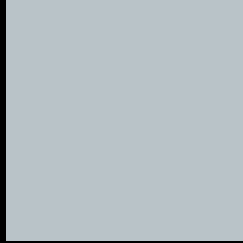
Large Text (above 18pt) WCAG AA × Fail

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 49.9480, 53.5146, 62.3404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

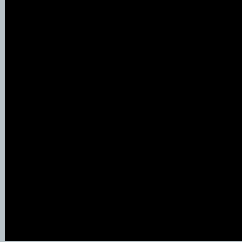
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

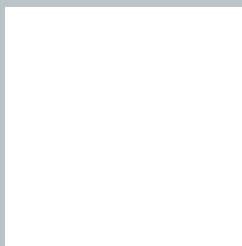
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9480, 53.5146, 62.3404

Background



This preview shows how black text looks on a background with the XYZ color 49.9480, 53.5146, 62.3404.



This preview shows how white text looks on a background with the XYZ color 49.9480, 53.5146,

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

49.9480, 53.5146, 62.3404

Protanopia

51.5484, 53.3786, 61.0123

Deuteranopia

54.4434, 53.2148, 63.2791



Tritanopia

51.0501, 53.6261, 67.9818

Trichromacy



Original Color

49.9480, 53.5146, 62.3404

Protanomaly

50.8646, 53.3398, 61.6476

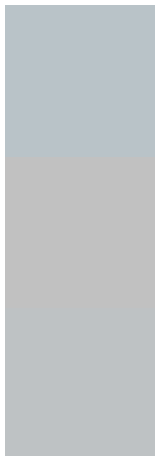
Deuteranomaly

52.7755, 53.3233, 62.7692

Tritanomaly

50.6821, 53.4789, 66.0437

Monochromacy



Original Color

49.9480, 53.5146, 62.3404

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.4908, 53.5162, 59.8931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9480, 53.5146, 62.3404 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(185, 195, 200)` looks like.

```
.text, #text, p{  
    color:rgb(185, 195, 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(185, 195, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 195, 200) }
```

Border

The CSS property to change the border of an element to XYZ 49.9480, 53.5146, 62.3404 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(185, 195, 200) }
```


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

```
.border{ border-color:rgb(185, 195, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 195, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 195, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 195, 200);  
box-shadow:4px 4px 4px 4px rgb(185, 195,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9480, 53.5146, 62.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 195, 200) }
```

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

```
.background{ background-color: rgb(185,  
195, 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](#).

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