

Converting Colors

XYZ(49.6544, 51.0632, 59.4040)

Have a look what the booklet for
XYZ(49.6544, 51.0632, 59.4040)
contains.

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Color

**XYZ(49.6853, 51.1584,
59.4804)**

Conversions

Conversions Part 1

Format	Color
Hex	C0BCC4
RGB	192, 188, 196
RGB Percent	75%, 74%, 77%
CMY	0.2471, 0.2627, 0.2314
CMYK	0.02, 0.04, 0.00, 0.23
HSL	270°, 6%, 75%
HSV	270°, 4%, 77%
XYZ	49.6853, 51.1584, 59.4804
YIQ	190.1080, -0.1840, 3.3360

Conversions

Conversions Part 2

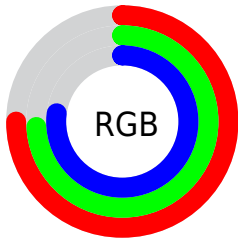
Format	Color
R _Y B	192, 188, 196
Decimal	12631236
CIE Lab	76.77, 2.89, -3.54
CIE LCh	77, 4.566, 309.222
Yxy	51.1584, 0.3099, 0.3191
Android (android.graphics.Color)	4290821316 (0xFFC0BCC4)
YUV	190.1080, 2.9048, 1.6593
Hunter-Lab	71.5251, -1.1729, 0.7619

Details

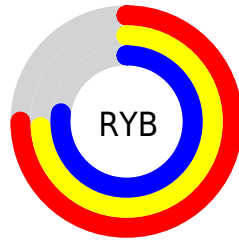
The XYZ color **49.6853, 51.1584, 59.4804** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.5570, 54.3184, 55.3993**, and the grayscale version is **48.9909, 51.5422, 56.1295**.

A 20% lighter version of the original color is **88.7917, 91.7497, 105.9581**, and **24.1939, 24.7699, 29.0971** is the 20% darker color. If you saturate the color by 10%, you get **43.3798, 42.1097, 58.0669**, and if you desaturate by 10%, it is **56.7278, 61.4340, 61.0934**.

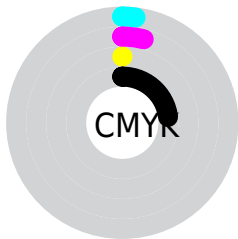
Distribution



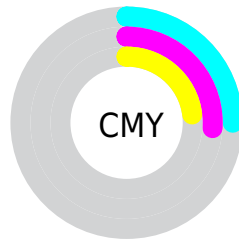
- Red (75%)
- Green (74%)
- Blue (77%)



- Red (75%)
- Yellow (74%)
- Blue (77%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (23%)



- Cyan (25%)
- Magenta (26%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6853, 51.1584, 59.4804 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 49.6853, 51.1584, 59.4804 by changing the saturation by 10% instead.

■ 49.6853, 51.1584,
59.4804

■ 49.6853, 51.1584,
59.4804

375.9064,
391.1789, 440.4312

■ 35.3802, 36.3347,
42.5774

■ 88.9030, 91.8889,
105.6115

■ 24.1238, 24.6928,
29.2247

114.5464,
118.5644, 135.6768

■ 15.5507, 15.8483,
19.0039

144.6998,
149.9594, 170.9665

■ 9.2956, 9.4169,
11.4962

179.7288,
186.4581, 211.8992

■ 4.9931, 5.0141,
6.2833

219.9985,
228.4450, 258.8935

■ 2.2780, 2.2555,
2.9465

265.8745,

■ 0.7833, 0.7500,

276.3045, 312.3679

1.0674

317.7220,
330.4210, 372.7410

■ 0.0000, 0.0000,
0.0000

■ 49.6853, 51.1584,
59.4804

■ 49.6853, 51.1584,
59.4804

■ 43.3798, 42.1097,
58.0669

■ 56.7278, 61.4340,
61.0934

■ 37.7808, 34.2341,
56.8419

■ 64.5274, 72.9745,
62.9098

■ 32.8622, 27.4836,
55.7981

■ 73.1089, 85.8244,
64.9378

■ 28.5946, 21.8041,
54.9268

■ 78.7477, 92.5300,
65.9349

■ 24.9460, 17.1371,
54.2183

■ 82.0050, 94.2091,
66.0874

■ 21.8815, 13.4182,
53.6620

■ 85.4423, 95.9811,
66.2482

■ 19.3623, 10.5753,
53.2460

■ 86.9640, 96.7656,
66.3194

■ 17.3441, 8.5255,
52.9568

■ 15.7737, 7.1687,
52.7776

Harmonies

Analogous

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



48.8919, 51.1584, 60.5450



49.6853, 51.1584, 59.4804



50.1984, 51.1584, 57.4121

Triad

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



49.6853, 51.1584, 59.4804



49.2178, 51.1584, 51.3611



46.9990, 51.1584, 56.4707

Complementary

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



49.6853, 51.1584, 59.4804



50.5570, 54.3184, 55.3993

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.



47.0839, 51.1584, 54.0277



49.6853, 51.1584, 59.4804



48.3581, 51.1584, 51.1259

Square

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



49.6853, 51.1584, 59.4804



49.9263, 51.1584, 52.7408



47.5790, 51.1584, 52.0886



47.3456, 51.1584, 58.7737

Rectangle

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



49.6853, 51.1584, 59.4804



50.3090, 51.1584, 55.7676



47.5790, 51.1584, 52.0886



46.9781, 51.1584, 55.6381

Sweetspot

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



49.6868, 51.1606, 59.4815



93.7742, 98.1427, 108.6087



49.5836, 52.4366, 59.7332



20.0850, 21.0262, 23.2498



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.



49.6868, 51.1606, 59.4815



88.8093, 90.9438, 107.4809



50.6787, 51.6720, 59.5279



10.5167, 10.7374, 12.8031



9.7361, 4.2795, 33.8695



0.5002, 0.2259, 1.4671

Inverse Universe

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



50.2643, 51.5102, 57.1647



90.1073, 91.7295, 102.2740



49.5908, 53.8203, 55.3541



10.6877, 10.8408, 12.1174



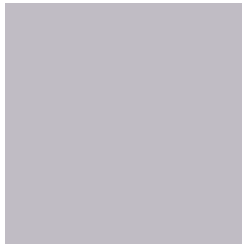
16.0883, 8.1251, 8.3773



0.7299, 0.3650, 0.5452

Previews

White Background



This preview shows how the XYZ color 49.6853, 51.1584, 59.4804 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 49.6853, 51.1584, 59.4804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

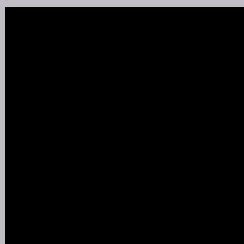
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

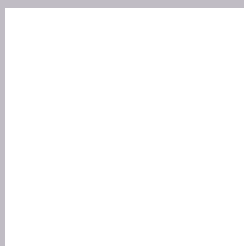
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6853, 51.1584, 59.4804

Background



This preview shows how black text looks on a background with the XYZ color 49.6853, 51.1584, 59.4804.



This preview shows how white text looks on a background with the XYZ color 49.6853, 51.1584,

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

49.6853, 51.1584, 59.4804

Protanopia

49.4329, 51.0283, 59.4686

Deuteranopia

52.1204, 51.1496, 59.9491



Tritanopia

50.4233, 51.1424, 63.0910

Trichromacy



Original Color

49.6853, 51.1584, 59.4804

Protanomaly

49.4329, 51.0283, 59.4686

Deuteranomaly

51.2464, 51.0085, 59.9680

Tritanomaly

50.1880, 51.0482, 61.8517

Monochromacy



Original Color

49.6853, 51.1584, 59.4804

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.1979, 51.2773, 57.1737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6853, 51.1584, 59.4804 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, 188, 196)` looks like.

```
.text, #text, p{  
    color:rgb(192, 188, 196)  
}
```

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, 188, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 188, 196) }
```

Border

The CSS property to change the border of an element to XYZ 49.6853, 51.1584, 59.4804 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, 188, 196) }
```


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

```
.border{ border-color:rgb(192, 188, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 188, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 188, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 188, 196);  
box-shadow:4px 4px 4px 4px rgb(192, 188,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6853, 51.1584, 59.4804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 188, 196) }
```

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

```
.background{ background-color: rgb(192,  
188, 196) }
```

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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