

Converting Colors

XYZ(49.7911, 54.0521, 49.6157)

Have a look what the booklet for
XYZ(49.7911, 54.0521, 49.6157)
contains.

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Color

**XYZ(49.6681, 53.9916,
49.3986)**

Conversions

Conversions Part 1

Format	Color
Hex	C1C4B1
RGB	193, 196, 177
RGB Percent	76%, 77%, 69%
CMY	0.2431, 0.2314, 0.3059
CMYK	0.02, 0.00, 0.10, 0.23
HSL	69°, 14%, 73%
HSV	69°, 10%, 77%
XYZ	49.6681, 53.9916, 49.3986
YIQ	192.9370, 4.3110, -6.5450

Conversions

Conversions Part 2

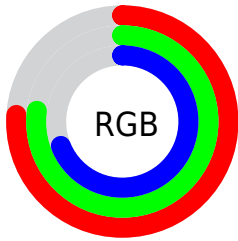
Format	Color
RYB	177, 196, 180
Decimal	12698801
CIELab	78.46, -4.41, 9.18
CIElCh	78, 10.182, 115.662
Yxy	53.9916, 0.3245, 0.3528
Android (android.graphics.Color)	4290888881 (0xFFC1C4B1)
YUV	192.9370, -7.8569, 0.0553
Hunter-Lab	73.4790, -7.9312, 11.5757

Details

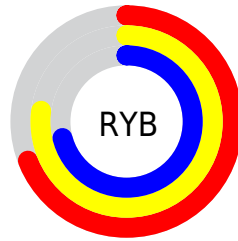
The XYZ color **49.6681, 53.9916, 49.3986** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.5103, 45.1345, 58.5932**, and the grayscale version is **50.6957, 53.3358, 58.0827**.

A 20% lighter version of the original color is **88.9002, 96.2735, 90.9879**, and **23.9586, 26.2902, 22.8805** is the 20% darker color. If you saturate the color by 10%, you get **47.0722, 52.8647, 39.8010**, and if you desaturate by 10%, it is **52.5642, 55.2440, 60.4772**.

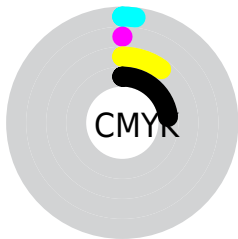
Distribution



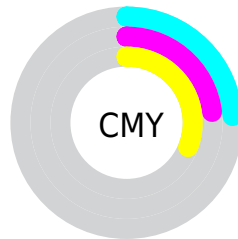
- Red (76%)
- Green (77%)
- Blue (69%)



- Red (69%)
- Yellow (77%)
- Blue (71%)



- Cyan (2%)
- Magenta (0%)
- Yellow (10%)
- Black (23%)





- Cyan (24%)
- Magenta (23%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6681, 53.9916, 49.3986 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 49.6681, 53.9916, 49.3986 by changing the saturation by 10% instead.


 49.6681, 53.9916,
49.3986

 49.6681, 53.9916,
49.3986


375.8401,
402.0780, 400.9769

 35.3665, 38.5949,
34.5679


 88.8777, 96.0619,
90.6703

 24.1131, 26.4448,
23.0494


114.5164,
123.5044, 117.9484

 15.5428, 17.1567,
14.4243

144.6648,
155.7309, 150.2127

 9.2900, 10.3463,
8.2743

179.6882,
193.1258, 187.8819

 4.9894, 5.6291,
4.1807

219.9522,
236.0736, 231.3743

 2.2758, 2.6209,
1.7250

265.8219,

 0.7822, 0.9372,

284.9586, 281.1086

0.3778

317.6627,
340.1653, 337.5033

■ 0.0000, 0.0000,
0.0000

■ 49.6681, 53.9916,
49.3986

■ 49.6681, 53.9916,
49.3986

■ 47.0722, 52.8647,
39.8010

■ 52.5642, 55.2440,
60.4772

■ 44.7600, 51.8515,
31.6184

■ 55.7673, 56.6193,
73.0924

■ 42.7202, 50.9490,
24.7845

■ 59.2896, 58.1243,
87.3010

■ 40.9388, 50.1518,
19.2269

■ 63.0762, 59.7370,
102.8137

■ 39.4006, 49.4538,
14.8659

■ 63.9414, 60.1830,
102.8541

■ 38.0888, 48.8482,
11.6133

■ 64.8237, 60.6378,
102.8954

■ 36.9842, 48.3273,
9.3684

■ 65.7231, 61.1015,
102.9375

■ 36.0641, 47.8820,
8.0125

■ 66.6397, 61.5740,
102.9804

■ 35.2865, 47.4956,
7.3249

■ 67.5736, 62.0555,
103.0241

Harmonies

Analogous

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



51.6092, 53.9916, 48.4642



49.6681, 53.9916, 49.3986



48.2035, 53.9916, 52.7848

Triad

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



49.6681, 53.9916, 49.3986



49.1762, 53.9916, 68.3703



55.2529, 53.9916, 59.6257

Complementary

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



49.6681, 53.9916, 49.3986



44.5103, 45.1345, 58.5932

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.



54.5625, 53.9916, 65.2292



49.6681, 53.9916, 49.3986



51.0267, 53.9916, 70.4819

Square

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



49.6681, 53.9916, 49.3986



47.9248, 53.9916, 63.6931



53.0028, 53.9916, 69.2969



54.8665, 53.9916, 54.1408

Rectangle

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



49.6681, 53.9916, 49.3986



47.6769, 53.9916, 56.0992



53.0028, 53.9916, 69.2969



55.1386, 53.9916, 61.5607

Sweetspot

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



49.6696, 53.9940, 49.3998



93.3992, 99.2884, 102.5211



46.9935, 47.4935, 48.2861



19.8987, 21.2119, 21.5881



0.0000, 0.0000, 0.0000



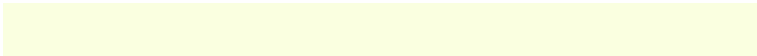
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6696, 53.9940, 49.3998



88.7519, 97.2778, 84.9045



47.3610, 52.8038, 49.2917



10.7520, 11.6752, 10.7487



22.7173, 30.5401, 4.6975



1.0245, 1.3417, 0.2050

Inverse Universe

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



44.5103, 45.1345, 58.5932



77.2018, 77.4435, 105.4869



46.7608, 46.2947, 58.6985



9.6733, 9.8227, 12.6710



6.8128, 2.7725, 33.7327



0.3422, 0.1445, 1.4597

Previews

White Background



This preview shows how the XYZ color 49.6681, 53.9916, 49.3986 looks on a white background.

Color Contrast Check

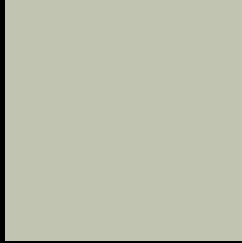
Large Text (above 18pt) WCAG AA × Fail

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 49.6681, 53.9916, 49.3986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

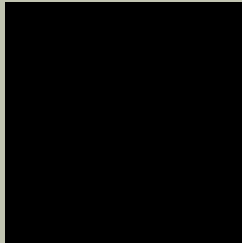
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

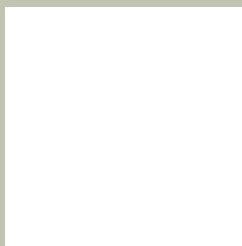
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6681, 53.9916, 49.3986

Background



This preview shows how black text looks on a background with the XYZ color 49.6681, 53.9916, 49.3986.



This preview shows how white text looks on a background with the XYZ color 49.6681, 53.9916,

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

49.6681, 53.9916, 49.3986

Protanopia

51.2636, 53.8311, 48.7629

Deuteranopia

54.8204, 53.7007, 50.1238



Tritanopia

53.1381, 54.0746, 66.6682

Trichromacy



Original Color

49.6681, 53.9916, 49.3986

Protanomaly

50.6814, 53.8603, 48.7992

Deuteranomaly

52.7438, 53.5966, 49.6848

Tritanomaly

51.7987, 53.8612, 59.8907

Monochromacy



Original Color

49.6681, 53.9916, 49.3986

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.2537, 53.5089, 54.6933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6681, 53.9916, 49.3986 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(193, 196, 177)` looks like.

```
.text, #text, p{  
    color:rgb(193, 196, 177)  
}
```

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(193, 196, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 196, 177) }
```

Border

The CSS property to change the border of an element to XYZ 49.6681, 53.9916, 49.3986 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(193, 196, 177) }
```


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

```
.border{ border-color:rgb(193, 196, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 196, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 196, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 196, 177);  
box-shadow:4px 4px 4px 4px rgb(193, 196,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6681, 53.9916, 49.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 196, 177) }
```

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

```
.background{ background-color: rgb(193,  
196, 177) }
```

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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