

Converting Colors

XYZ(51.1959, 54.9550, 28.5200)

Have a look what the booklet for
XYZ(51.1959, 54.9550, 28.5200)
contains.

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Color

**XYZ(51.2091, 54.9113,
28.6688)**

Conversions

Conversions Part 1

Format	Color
Hex	D6C381
RGB	214, 195, 129
RGB Percent	84%, 76%, 51%
CMY	0.1608, 0.2353, 0.4941
CMYK	0.00, 0.09, 0.40, 0.16
HSL	47°, 51%, 67%
HSV	47°, 40%, 84%
XYZ	51.2091, 54.9113, 28.6688
YIQ	193.1570, 32.5100, -16.4980

Conversions

Conversions Part 2

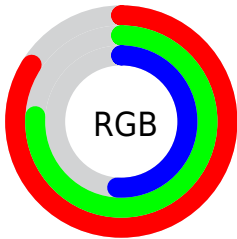
Format	Color
RYB	153, 214, 129
Decimal	14074753
CIELab	78.99, -2.59, 35.59
CIELCh	79, 35.682, 94.155
Yxy	54.9113, 0.3799, 0.4074
Android (android.graphics.Color)	4292264833 (0xFFD6C381)
YUV	193.1570, -31.6294, 18.2793
Hunter-Lab	74.1022, -6.3244, 28.9333

Details

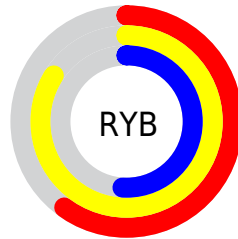
The XYZ color **51.2091, 54.9113, 28.6688** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.7805, 30.7010, 67.8692**, and the grayscale version is **50.9489, 53.6022, 58.3728**.

A 20% lighter version of the original color is **84.2844, 93.6733, 58.4382**, and **25.1848, 27.1796, 11.3159** is the 20% darker color. If you saturate the color by 10%, you get **48.8790, 52.2941, 21.5941**, and if you desaturate by 10%, it is **53.8742, 57.7214, 37.3261**.

Distribution



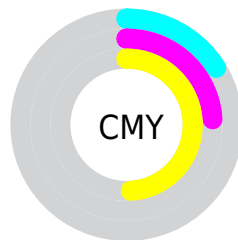
- Red (84%)
- Green (76%)
- Blue (51%)



- Red (60%)
- Yellow (84%)
- Blue (51%)



- Cyan (0%)
- Magenta (9%)
- Yellow (40%)
- Black (16%)



- Cyan (16%)
- Magenta (24%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2091, 54.9113, 28.6688 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 51.2091, 54.9113, 28.6688 by changing the saturation by 10% instead.

■ 51.2091, 54.9113,
28.6688

■ 51.2091, 54.9113,
28.6688

381.7499,
405.5756, 309.6609

■ 36.5968, 39.3307,
18.5870

■ 91.1449, 97.4110,
58.5864

■ 25.0677, 27.0171,
11.1985

■ 117.1991,
125.0989, 79.2592

■ 16.2565, 17.5861,
6.0846

■ 147.7980,
157.5913, 104.2994

■ 9.7978, 10.6532,
2.8270

183.3069,
195.2727, 134.1256

■ 5.3264, 5.8342,
1.0070

224.0912,
238.5274, 169.1564

■ 2.4767, 2.7445,
0.0000

270.5162,

■ 0.8835, 0.9998,

287.7399, 209.8101

0.0000

322.9474,
343.2945, 256.5055

■ 0.0000, 0.0000,
0.0000

■ 51.2091, 54.9113,
28.6688

■ 51.2091, 54.9113,
28.6688

■ 48.8790, 52.2941,
21.5941

■ 53.8742, 57.7214,
37.3261

■ 46.8608, 49.8540,
15.9998

■ 56.8875, 60.7243,
47.6528

■ 45.1345, 47.5846,
11.7769

■ 60.2667, 63.9294,
59.7335

■ 43.6761, 45.4758,
8.8001

■ 64.0268, 67.3432,
73.6461

■ 42.4571, 43.5155,
6.9208

■ 68.1820, 70.9720,
89.4638

■ 41.4278, 41.6834,
5.8795

■ 72.3564, 74.6658,
105.2061

■ 41.4000, 41.6331,
5.8540

■ 73.6575, 77.2681,
105.6398

■ 74.9951, 79.9433,
106.0857

■ 76.3694, 82.6919,
106.5438

Harmonies

Analogous

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



58.3689, 54.9113, 31.0643



51.2091, 54.9113, 28.6688



44.8993, 54.9113, 32.9304

Triad

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



51.2091, 54.9113, 28.6688



41.6945, 54.9113, 84.5225



65.4603, 54.9113, 78.4944

Complementary

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



51.2091, 54.9113, 28.6688



31.7805, 30.7010, 67.8692

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.



60.2334, 54.9113, 98.3087



51.2091, 54.9113, 28.6688



46.4662, 54.9113, 102.3062

Square

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



51.2091, 54.9113, 28.6688



39.7308, 54.9113, 62.6655



53.1865, 54.9113, 107.8484



67.0181, 54.9113, 57.0020

Rectangle

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



51.2091, 54.9113, 28.6688



41.8936, 54.9113, 39.7002



53.1865, 54.9113, 107.8484



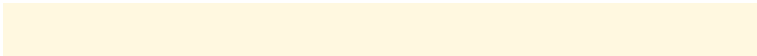
64.0522, 54.9113, 85.7174

Sweetspot

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



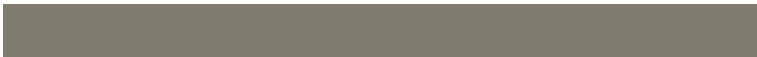
51.2105, 54.9138, 28.6699



88.3660, 93.8979, 84.2725



40.9937, 32.1618, 32.4119



18.7690, 19.9617, 17.5159



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.



51.2105, 54.9138, 28.6699



73.0925, 78.2353, 33.2942



49.5791, 60.7979, 29.8916



13.2265, 14.0272, 13.1711



25.1044, 25.3260, 3.5653



1.5734, 1.6460, 0.2348

Inverse Universe

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



31.7805, 30.7010, 67.8692



40.2224, 37.2993, 99.6873



32.8750, 27.1995, 67.1356



11.9655, 12.4543, 15.7108



8.0353, 4.3323, 38.8659



0.5476, 0.3873, 2.3652

Previews

White Background



This preview shows how the XYZ color 51.2091, 54.9113, 28.6688 looks on a white background.

Color Contrast Check

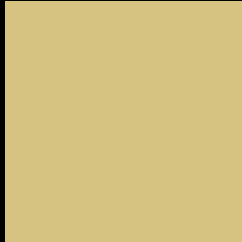
Large Text (above 18pt) WCAG AA × Fail

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 51.2091, 54.9113, 28.6688 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 51.2091, 54.9113, 28.6688

Background



This preview shows how black text looks on a background with the XYZ color 51.2091, 54.9113, 28.6688.



This preview shows how white text looks on a background with the XYZ color 51.2091, 54.9113,

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

51.2091, 54.9113, 28.6688

Protanopia

50.8538, 55.0619, 28.7166

Deuteranopia

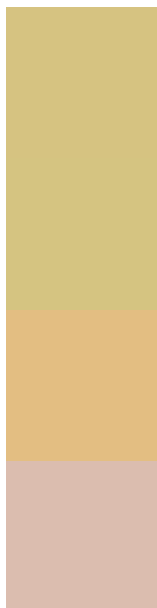
55.7987, 54.6718, 29.0845



Tritanopia

58.2257, 54.8645, 62.7794

Trichromacy



Original Color

51.2091, 54.9113, 28.6688

Protanomaly

51.1429, 55.2110, 28.7301

Deuteranomaly

54.1213, 54.7695, 28.8382

Tritanomaly

55.1489, 54.5504, 48.1801

Monochromacy



Original Color

51.2091, 54.9113, 28.6688

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.6349, 53.9034, 45.7659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2091, 54.9113, 28.6688 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(214, 195, 129)` looks like.

```
.text, #text, p{  
    color:rgb(214, 195, 129)  
}
```

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(214, 195, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 195, 129) }
```

Border

The CSS property to change the border of an element to XYZ 51.2091, 54.9113, 28.6688 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(214, 195, 129) }
```


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

```
.border{ border-color:rgb(214, 195, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 195, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 195, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 195, 129);  
box-shadow:4px 4px 4px 4px rgb(214, 195,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2091, 54.9113, 28.6688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 195, 129) }
```

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

```
.background{ background-color: rgb(214,  
195, 129) }
```

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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