

Converting Colors

XYZ(51.2691, 56.6813, 33.3665)

Have a look what the booklet for
XYZ(51.2691, 56.6813, 33.3665)
contains.

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Color

**XYZ(51.1941, 56.4970,
33.4061)**

Conversions

Conversions Part 1

Format	Color
Hex	CFC88D
RGB	207, 200, 141
RGB Percent	81%, 78%, 55%
CMY	0.1882, 0.2157, 0.4471
CMYK	0.00, 0.03, 0.32, 0.19
HSL	54°, 41%, 68%
HSV	54°, 32%, 81%
XYZ	51.1941, 56.4970, 33.4061
YIQ	195.3670, 23.1110, -16.8650

Conversions

Conversions Part 2

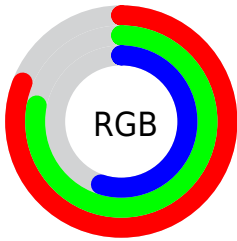
Format	Color
RYB	149, 207, 141
Decimal	13617293
CIELab	79.90, -6.53, 30.45
CIElCh	80, 31.138, 102.103
Yxy	56.4970, 0.3628, 0.4004
Android (android.graphics.Color)	4291807373 (0xFFCFC88D)
YUV	195.3670, -26.8029, 10.2021
Hunter-Lab	75.1645, -9.9625, 26.2643

Details

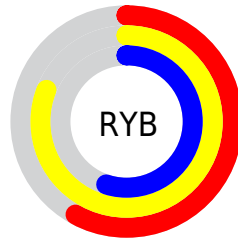
The XYZ color **51.1941, 56.4970, 33.4061** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.8367, 31.3467, 63.3514**, and the grayscale version is **52.2372, 54.9576, 59.8488**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **25.0732, 27.9714, 13.7504** is the 20% darker color. If you saturate the color by 10%, you get **49.2917, 54.9308, 25.8703**, and if you desaturate by 10%, it is **53.3946, 58.1981, 42.4628**.

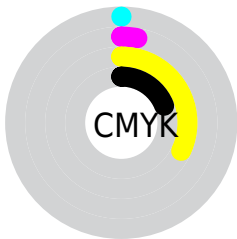
Distribution



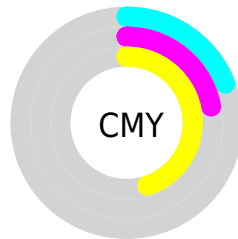
- Red (81%)
- Green (78%)
- Blue (55%)



- Red (58%)
- Yellow (81%)
- Blue (55%)



- Cyan (0%)
- Magenta (3%)
- Yellow (32%)
- Black (19%)





- Cyan (19%)
- Magenta (22%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1941, 56.4970, 33.4061 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 51.1941, 56.4970, 33.4061 by changing the saturation by 10% instead.


 51.1941, 56.4970,
33.4061


 51.1941, 56.4970,
33.4061


381.6927,
411.5618, 332.1636


 36.5848, 40.6015,
22.1641


 91.1229, 99.7309,
66.1323

 25.0584, 28.0079,
13.7780


 117.1731,
127.8381, 88.4536

 16.2495, 18.3316,
7.8295


 147.7676,
160.7846, 115.3051

 9.7928, 11.1883,
3.8998

183.2718,
198.9550, 147.1052

 5.3230, 6.1936,
1.5705

224.0511,
242.7335, 184.2726

 2.4747, 2.9632,
0.2697

270.4707,

 0.8825, 1.1125,

292.5045, 227.2258

0.0000

322.8962,
348.6525, 276.3833

■ 0.0000, 0.0000,
0.0000

■ 51.1941, 56.4970,
33.4061

■ 51.1941, 56.4970,
33.4061

■ 49.2917, 54.9308,
25.8703

■ 53.3946, 58.1981,
42.4628

■ 47.6669, 53.4853,
19.7672

■ 55.9037, 60.0323,
53.1150

■ 46.3036, 52.1560,
15.0051


■ 58.7367, 62.0079,
65.4366


■ 45.1820, 50.9348,
11.4800


■ 61.9066, 64.1300,
79.4958


■ 44.2793, 49.8127,
9.0729


■ 65.4257, 66.4036,
95.3570


 43.5686, 48.7789,
7.6412

 67.6189, 68.1588,
104.1998

 43.0939, 47.9889,
6.9915

 68.1750, 69.2712,
104.3852

 68.7387, 70.3985,
104.5731

 69.3099, 71.5409,
104.7635

Harmonies

Analogous

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



57.5150, 56.4970, 34.0149



51.1941, 56.4970, 33.4061



45.9661, 56.4970, 39.1644

Triad

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



51.1941, 56.4970, 33.4061



45.1886, 56.4970, 87.8847



66.0949, 56.4970, 72.8261

Complementary

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



51.1941, 56.4970, 33.4061



32.8367, 31.3467, 63.3514

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.



62.2532, 56.4970, 91.0732



51.1941, 56.4970, 33.4061



50.0551, 56.4970, 100.8713

Square

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



51.1941, 56.4970, 33.4061



42.6853, 56.4970, 69.0947



56.2837, 56.4970, 102.1408



66.4601, 56.4970, 54.5121

Rectangle

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



51.1941, 56.4970, 33.4061



43.6715, 56.4970, 46.6450



56.2837, 56.4970, 102.1408



65.1541, 56.4970, 79.2520

Sweetspot

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



51.1955, 56.4996, 33.4073



90.3567, 96.7528, 88.4082



40.6584, 34.4762, 32.8207



19.2082, 20.6155, 18.3545



0.0000, 0.0000, 0.0000



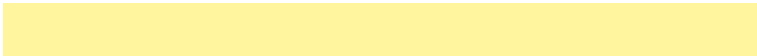
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1955, 56.4996, 33.4073



79.9909, 88.8736, 45.3313



46.3415, 56.4576, 33.6550



12.6919, 13.5746, 12.5633



27.1927, 30.3184, 4.4188



1.5519, 1.7581, 0.2575

Inverse Universe

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



32.8367, 31.3467, 63.3514



46.2413, 42.6413, 100.4012



36.5768, 31.6949, 63.2215



11.2631, 11.6165, 14.8922



7.3096, 3.2657, 37.4376



0.4437, 0.2526, 2.1049

Previews

White Background



This preview shows how the XYZ color 51.1941, 56.4970, 33.4061 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 51.1941, 56.4970, 33.4061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

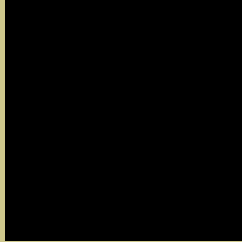
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1941, 56.4970, 33.4061

Background



This preview shows how black text looks on a background with the XYZ color 51.1941, 56.4970, 33.4061.



This preview shows how white text looks on a background with the XYZ color 51.1941, 56.4970,

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

51.1941, 56.4970, 33.4061

Protanopia

52.6593, 56.5778, 32.9561

Deuteranopia

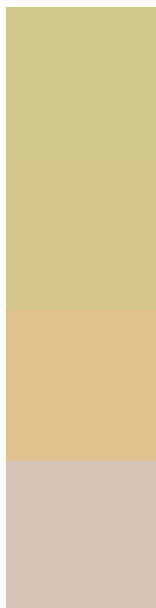
57.6323, 56.4722, 33.8493



Tritanopia

58.1365, 56.6513, 66.9022

Trichromacy



Original Color

51.1941, 56.4970, 33.4061

Protanomaly

52.0210, 56.5892, 32.9919

Deuteranomaly

55.2256, 56.5441, 33.5946

Tritanomaly

55.2137, 56.4462, 52.7849

Monochromacy



Original Color

51.1941, 56.4970, 33.4061

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.2573, 55.1698, 48.5047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1941, 56.4970, 33.4061 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(207, 200, 141)` looks like.

```
.text, #text, p{  
    color:rgb(207, 200, 141)  
}
```

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(207, 200, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 200, 141) }
```

Border

The CSS property to change the border of an element to XYZ 51.1941, 56.4970, 33.4061 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(207, 200, 141) }
```


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

```
.border{ border-color:rgb(207, 200, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 200, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 200, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 200, 141);  
box-shadow:4px 4px 4px 4px rgb(207, 200,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1941, 56.4970, 33.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 200, 141) }
```

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

```
.background{ background-color: rgb(207,  
200, 141) }
```

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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