

Converting Colors

XYZ(51.8569, 58.9280, 41.4924)

Have a look what the booklet for
XYZ(51.8569, 58.9280, 41.4924)
contains.

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Color

**XYZ(51.6180, 58.6516,
41.4012)**

Conversions

Conversions Part 1

Format	Color
Hex	C6CE9F
RGB	198, 206, 159
RGB Percent	78%, 81%, 62%
CMY	0.2235, 0.1921, 0.3765
CMYK	0.04, 0.00, 0.23, 0.19
HSL	70°, 32%, 72%
HSV	70°, 23%, 81%
XYZ	51.6180, 58.6516, 41.4012
YIQ	198.2500, 10.3190, -16.3130

Conversions

Conversions Part 2

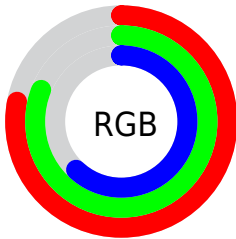
Format	Color
RYB	159, 206, 167
Decimal	13029023
CIELab	81.10, -10.60, 22.52
CIElCh	81, 24.889, 115.202
Yxy	58.6516, 0.3403, 0.3867
Android (android.graphics.Color)	4291219103 (0xFFC6CE9F)
YUV	198.2500, -19.3502, -0.2193
Hunter-Lab	76.5843, -13.7132, 21.5571

Details

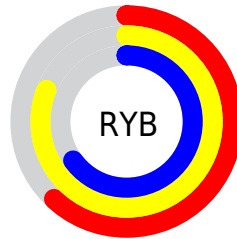
The XYZ color **51.6180, 58.6516, 41.4012** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.4774, 37.4696, 63.5475**, and the grayscale version is **53.9395, 56.7486, 61.7992**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **25.3837, 29.4473, 18.2560** is the 20% darker color. If you saturate the color by 10%, you get **49.0638, 57.5263, 32.7151**, and if you desaturate by 10%, it is **54.4947, 59.9123, 51.6600**.

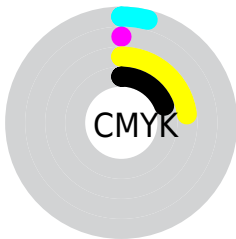
Distribution



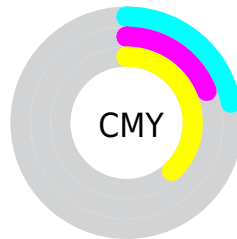
- Red (78%)
- Green (81%)
- Blue (62%)



- Red (62%)
- Yellow (81%)
- Blue (65%)



- Cyan (4%)
- Magenta (0%)
- Yellow (23%)
- Black (19%)





- Cyan (22%)
- Magenta (19%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6180, 58.6516, 41.4012 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 51.6180, 58.6516, 41.4012 by changing the saturation by 10% instead.


 51.6180, 58.6516,
41.4012


 51.6180, 58.6516,
41.4012


383.3083,
419.6096, 367.7208

 36.9237, 42.3327,
28.3106


 91.7452, 102.8711,
78.5528

 25.3218, 29.3619,
18.3189


 117.9088,
131.5406, 103.4510

 16.4470, 19.3548,
11.0074


148.6263,
165.0957, 133.1221

 9.9339, 11.9269,
5.9576

184.2629,
203.9208, 167.9847

 5.4171, 6.6939,
2.7509

225.1841,
248.4003, 208.4573

 2.5312, 3.2714,
0.9689

271.7551,

 0.9110, 1.2750,

298.9187, 254.9585

0.0000

324.3414,
355.8603, 307.9068

■ 0.0000, 0.1217,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.6180, 58.6516,
41.4012

■ 51.6180, 58.6516,
41.4012

■ 49.0638, 57.5263,
32.7151

■ 54.4947, 59.9123,
51.6600

■ 46.8125, 56.5226,
25.5202

■ 57.7031, 61.3063,
63.5600

■ 44.8496, 55.6368,
19.7334

■ 61.2579, 62.8413,
77.1703

■ 43.1573, 54.8616,
15.2620

■ 65.1712, 64.5222,
92.5549

■ 41.7157, 54.1891,
12.0022

■ 68.3063, 65.8944,
103.7265

■ 40.5021, 53.6101,
9.8344

■ 69.3511, 66.4330,
103.7754

■ 39.4889, 53.1138,
8.6151

■ 70.4181, 66.9830,
103.8253

■ 38.8502, 52.7943,
8.1427

■ 71.5076, 67.5447,
103.8763

■ 72.6195, 68.1179,
103.9283

Harmonies

Analogous

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



56.5826, 58.6516, 39.4757



51.6180, 58.6516, 41.4012



47.9720, 58.6516, 48.9470

Triad

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



51.6180, 58.6516, 41.4012



50.2613, 58.6516, 90.2228



66.2561, 58.6516, 66.2737

Complementary

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



51.6180, 58.6516, 41.4012



39.4774, 37.4696, 63.5475

Split Complementary

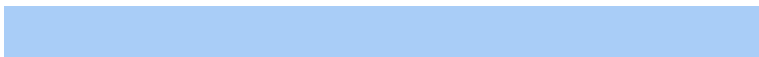
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.3188, 58.6516, 81.5345



51.6180, 58.6516, 41.4012



54.9189, 58.6516, 96.6575

Square

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



51.6180, 58.6516, 41.4012



47.2233, 58.6516, 76.7741



60.0896, 58.6516, 93.2556



65.2382, 58.6516, 52.4847

Rectangle

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



51.6180, 58.6516, 41.4012



46.6732, 58.6516, 56.8596



60.0896, 58.6516, 93.2556



65.9256, 58.6516, 71.4162

Sweetspot

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



51.6195, 58.6542, 41.4025



91.1984, 98.3312, 94.4089



45.5018, 43.2031, 38.7425



19.4519, 21.0173, 19.9538



0.0000, 0.0000, 0.0000



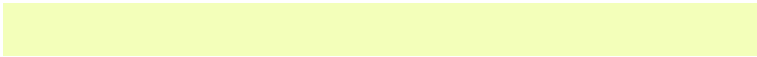
20.3446, 21.4041, 23.3091

Same Dimension

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



51.6195, 58.6542, 41.4025



81.6959, 94.1752, 60.4098



45.9358, 55.7241, 41.1365



11.9591, 12.9963, 11.9577



23.9932, 32.5443, 5.0171



1.2886, 1.7051, 0.2612

Inverse Universe

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



39.4774, 37.4696, 63.5475



58.8964, 54.3899, 102.0019



44.8592, 40.2440, 63.7994



10.7769, 10.9343, 14.1129



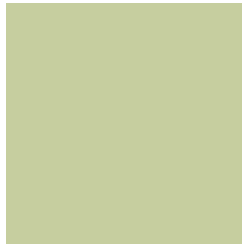
7.3452, 2.9941, 36.1471



0.4354, 0.1836, 1.8674

Previews

White Background



This preview shows how the XYZ color 51.6180, 58.6516, 41.4012 looks on a white background.

Color Contrast Check

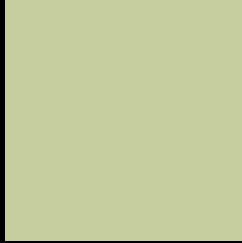
Large Text (above 18pt) WCAG AA × Fail

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 51.6180, 58.6516, 41.4012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

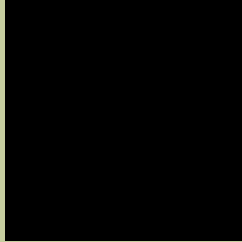
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

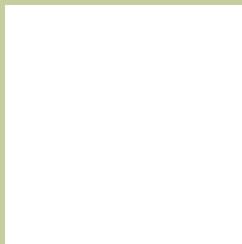
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6180, 58.6516, 41.4012

Background



This preview shows how black text looks on a background with the XYZ color 51.6180, 58.6516, 41.4012.



This preview shows how white text looks on a background with the XYZ color 51.6180, 58.6516,

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

51.6180, 58.6516, 41.4012

Protanopia

54.9968, 58.6547, 40.3211

Deuteranopia

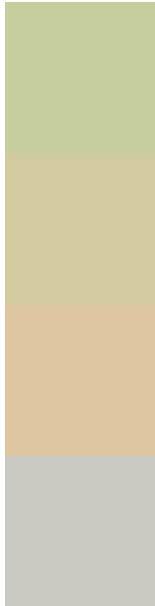
59.5232, 58.2410, 42.2868



Tritanopia

58.0146, 58.8237, 71.9147

Trichromacy



Original Color

51.6180, 58.6516, 41.4012

Protanomaly

53.8220, 58.7358, 40.8482

Deuteranomaly

56.4459, 58.3335, 42.0027

Tritanomaly

55.4867, 58.8326, 59.4703

Monochromacy



Original Color

51.6180, 58.6516, 41.4012

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.8271, 57.2397, 53.6115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6180, 58.6516, 41.4012 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(198, 206, 159)` looks like.

```
.text, #text, p{  
    color:rgb(198, 206, 159)  
}
```

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(198, 206, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 206, 159) }
```

Border

The CSS property to change the border of an element to XYZ 51.6180, 58.6516, 41.4012 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(198, 206, 159) }
```


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

```
.border{ border-color:rgb(198, 206, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 206, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 206, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 206, 159); box-shadow:4px 4px 4px 4px rgb(198, 206, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6180, 58.6516, 41.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 206, 159) }
```

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

```
.background{ background-color: rgb(198,  
206, 159) }
```

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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