

Converting Colors

XYZ(50.9979, 58.5267, 16.3490)

Have a look what the booklet for
XYZ(50.9979, 58.5267, 16.3490)
contains.

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Color

**XYZ(51.0481, 58.5529,
16.3959)**

Conversions

Conversions Part 1

Format	Color
Hex	D6CD51
RGB	214, 205, 81
RGB Percent	84%, 80%, 32%
CMY	0.1608, 0.1961, 0.6823
CMYK	0.00, 0.04, 0.62, 0.16
HSL	56°, 62%, 58%
HSV	56°, 62%, 84%
XYZ	51.0481, 58.5529, 16.3959
YIQ	193.5550, 45.1680, -36.6560

Conversions

Conversions Part 2

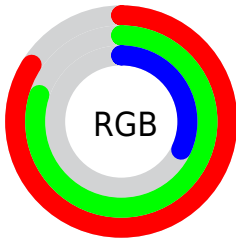
Format	Color
R _Y B	91, 214, 81
Decimal	14077265
CIE Lab	81.05, -11.87, 60.92
CIE LCh	81, 62.062, 101.027
Yxy	58.5529, 0.4052, 0.4647
Android (android.graphics.Color)	4292267345 (0xFFD6CD51)
YUV	193.5550, -55.4896, 17.9303
Hunter-Lab	76.5199, -14.8285, 40.8598

Details

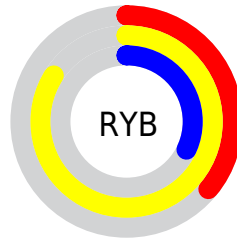
The XYZ color **51.0481, 58.5529, 16.3959** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **19.1871, 13.9164, 65.2929**, and the grayscale version is **51.3152, 53.9876, 58.7925**.

A 20% lighter version of the original color is **81.3732, 94.5293, 36.8788**, and **24.9123, 29.2553, 5.0433** is the 20% darker color. If you saturate the color by 10%, you get **50.0247, 57.5944, 12.7005**, and if you desaturate by 10%, it is **52.3303, 59.6244, 21.4262**.

Distribution



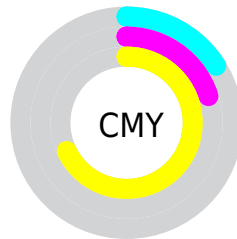
- Red (84%)
- Green (80%)
- Blue (32%)



- Red (36%)
- Yellow (84%)
- Blue (32%)



- Cyan (0%)
- Magenta (4%)
- Yellow (62%)
- Black (16%)



- Cyan (16%)
- Magenta (20%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0481, 58.5529, 16.3959 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 51.0481, 58.5529, 16.3959 by changing the saturation by 10% instead.

■ 51.0481, 58.5529,
16.3959

■ 51.0481, 58.5529,
16.3959

381.1352,
419.2430, 243.5916

■ 36.4681, 42.2533,
9.6474

■ 90.9084, 102.7276,
38.0605

■ 24.9677, 29.2997,
5.0632

■ 116.9195,
131.3714, 53.8136

■ 16.1816, 19.3076,
2.2250

■ 147.4716,
164.8989, 73.4053

■ 9.7444, 11.8928,
0.6888

■ 182.9301,
203.6942, 97.2541

■ 5.2908, 6.6707,
0.0000

■ 223.6603,
248.1419, 125.7786

■ 2.4554, 3.2570,
0.0000

270.0277,

■ 0.8728, 1.2674,

298.6264, 159.3973

0.0000

322.3975,
355.5319, 198.5288

■ 0.0000, 0.1157,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.0481, 58.5529,
16.3959

■ 51.0481, 58.5529,
16.3959

■ 50.0247, 57.5944,
12.7005

■ 52.3303, 59.6244,
21.4262

■ 49.2313, 56.7307,
10.2064

■ 53.8886, 60.8094,
27.9009

■ 48.6395, 55.9529,
8.7587

■ 55.7437, 62.1182,
35.9225

■ 48.2765, 55.3863,
8.1462

■ 57.9131, 63.5579,
45.5829

■ 60.4128, 65.1349,
56.9671

■ 63.2579, 66.8552,
70.1541

■ 66.4625, 68.7246,
85.2180

■ 70.0398, 70.7482,
102.2288

■ 70.8606, 71.6745,
104.7075

Harmonies

Analogous

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



64.1013, 58.5529, 17.4466



51.0481, 58.5529, 16.3959



40.9249, 58.5529, 23.8137

Triad

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



51.0481, 58.5529, 16.3959



38.9789, 58.5529, 122.5798



82.5185, 58.5529, 89.7131

Complementary

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



51.0481, 58.5529, 16.3959



19.1871, 13.9164, 65.2929

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.



73.5478, 58.5529, 133.6466



51.0481, 58.5529, 16.3959



47.9812, 58.5529, 157.1263

Square

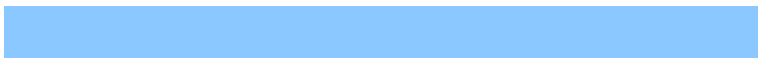
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.0481, 58.5529, 16.3959



34.7078, 58.5529, 78.3084



60.5263, 58.5529, 161.8151



83.6793, 58.5529, 51.1252

Rectangle

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



51.0481, 58.5529, 16.3959



36.6730, 58.5529, 35.1939



60.5263, 58.5529, 161.8151



80.2582, 58.5529, 104.6633

Sweetspot

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



51.0495, 58.5556, 16.3971



87.1712, 95.1904, 72.5226



32.6097, 20.9557, 12.4712



18.4392, 20.2341, 14.5324



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.



51.0495, 58.5556, 16.3971



73.9304, 85.1715, 17.3565



39.7476, 56.0155, 16.5025



13.3976, 14.3694, 13.2282



29.2111, 33.5395, 4.9342



1.7840, 2.0671, 0.3050

Inverse Universe

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



19.1871, 13.9164, 65.2929



22.7799, 13.5651, 96.0254



25.3017, 16.0098, 65.3746



11.8094, 12.1422, 15.6588



7.4625, 3.1868, 38.6750



0.4743, 0.2406, 2.3408

Previews

White Background



This preview shows how the XYZ color 51.0481, 58.5529, 16.3959 looks on a white background.

Color Contrast Check

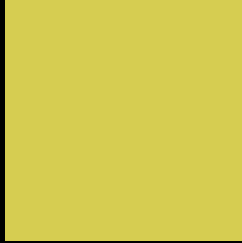
Large Text (above 18pt) WCAG AA × Fail

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 51.0481, 58.5529, 16.3959 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 51.0481, 58.5529, 16.3959

Background



This preview shows how black text looks on a background with the XYZ color 51.0481, 58.5529, 16.3959.



This preview shows how white text looks on a background with the XYZ color 51.0481, 58.5529,

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

51.0481, 58.5529, 16.3959

Protanopia

53.3090, 58.6675, 16.1037

Deuteranopia

59.6948, 58.2415, 16.6898



Tritanopia

61.4762, 58.3730, 67.0585

Trichromacy



Original Color

51.0481, 58.5529, 16.3959

Protanomaly

52.3191, 58.5067, 16.1248

Deuteranomaly

56.2652, 58.1245, 16.6412

Tritanomaly

56.5235, 58.0353, 41.9410

Monochromacy



Original Color

51.0481, 58.5529, 16.3959

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.0312, 55.1056, 38.1365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0481, 58.5529, 16.3959 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, 205, 81)` looks like.

```
.text, #text, p{  
    color:rgb(214, 205, 81)  
}
```

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, 205, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 205, 81) }
```

Border

The CSS property to change the border of an element to XYZ 51.0481, 58.5529, 16.3959 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, 205, 81) }
```


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

```
.border{ border-color:rgb(214, 205, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 205, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 205, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 205, 81);  
box-shadow:4px 4px 4px 4px rgb(214, 205,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0481, 58.5529, 16.3959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 205, 81) }
```

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

```
.background{ background-color: rgb(214,  
205, 81) }
```

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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