

Converting Colors

XYZ(48.6337, 51.4035, 20.9736)

Have a look what the booklet for
XYZ(48.6337, 51.4035, 20.9736)
contains.

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Color

**XYZ(48.6091, 51.4541,
21.0053)**

Conversions

Conversions Part 1

Format	Color
Hex	D7BC6A
RGB	215, 188, 106
RGB Percent	84%, 74%, 42%
CMY	0.1569, 0.2627, 0.5843
CMYK	0.00, 0.13, 0.51, 0.16
HSL	45°, 58%, 63%
HSV	45°, 51%, 84%
XYZ	48.6091, 51.4541, 21.0053
YIQ	186.7250, 42.4140, -19.7780

Conversions

Conversions Part 2

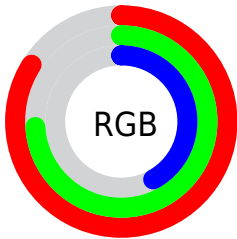
Format	Color
R _{YB}	142, 215, 106
Decimal	14138474
CIE Lab	76.95, -0.81, 44.70
CIE LCh	77, 44.708, 91.040
Yxy	51.4541, 0.4015, 0.4250
Android (android.graphics.Color)	4292328554 (0xFFD7BC6A)
YUV	186.7250, -39.7974, 24.7972
Hunter-Lab	71.7315, -4.5690, 32.8500

Details

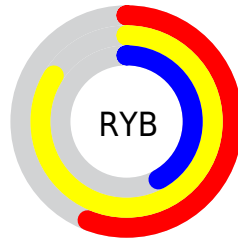
The XYZ color **48.6091, 51.4541, 21.0053** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.5969, 24.7447, 67.6643**, and the grayscale version is **47.2806, 49.7428, 54.1700**.

A 20% lighter version of the original color is **79.8487, 88.4646, 45.6678**, and **23.4783, 24.8826, 7.3068** is the 20% darker color. If you saturate the color by 10%, you get **46.5120, 48.8305, 15.4648**, and if you desaturate by 10%, it is **51.0309, 54.2786, 28.0379**.

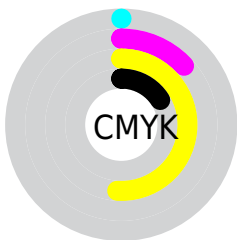
Distribution



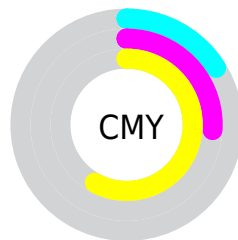
- Red (84%)
- Green (74%)
- Blue (42%)



- Red (56%)
- Yellow (84%)
- Blue (42%)



- Cyan (0%)
- Magenta (13%)
- Yellow (51%)
- Black (16%)



- Cyan (16%)
- Magenta (26%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6091, 51.4541, 21.0053 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 48.6091, 51.4541, 21.0053 by changing the saturation by 10% instead.

■ 48.6091, 51.4541,
21.0053

■ 48.6091, 51.4541,
21.0053

371.7439,
392.3255, 270.0886

■ 34.5227, 36.5701,
12.9366

■ 87.3148, 92.3257,
45.9773

■ 23.4603, 24.8748,
7.2547

■ 112.6649,
119.0820, 63.7176

■ 15.0563, 15.9838,
3.5410

■ 142.5003,
150.5647, 85.5189

■ 8.9455, 9.5127,
1.3771

■ 177.1863,
187.1579, 111.7997

■ 4.7625, 5.0771,
0.1238

217.0883,
229.2463, 142.9785

■ 2.1419, 2.2926,
0.0000

262.5717,

■ 0.7118, 0.7698,

277.2140, 179.4739

0.0000

314.0018,
331.4457, 221.7044

■ 0.0000, 0.0000,
0.0000

■ 48.6091, 51.4541,
21.0053

■ 48.6091, 51.4541,
21.0053

■ 46.5120, 48.8305,
15.4648

■ 51.0309, 54.2786,
28.0379

■ 44.7142, 46.3911,
11.3007

■ 53.7934, 57.3053,
36.6605

■ 43.1919, 44.1277,
8.3851

■ 56.9156, 60.5444,
46.9662

■ 41.9157, 42.0277,
6.5649

■ 60.4142, 64.0033,
59.0402

■ 40.9012, 40.2008,
5.6038

■ 64.3045, 67.6888,
72.9615

■ 68.6010, 71.6074,
88.8049

■ 73.0748, 75.6681,
105.3617

■ 74.5392, 78.5969,
105.8498

■ 76.0489, 81.6163,
106.3531

Harmonies

Analogous

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



57.2688, 51.4541, 24.1992



48.6091, 51.4541, 21.0053



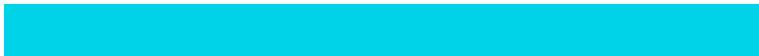
40.9402, 51.4541, 24.6886

Triad

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



48.6091, 51.4541, 21.0053



36.1766, 51.4541, 83.8457



64.6741, 51.4541, 81.9324

Complementary

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



48.6091, 51.4541, 21.0053



26.5969, 24.7447, 67.6643

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.



57.8424, 51.4541, 106.5655



48.6091, 51.4541, 21.0053



41.3990, 51.4541, 107.8770

Square

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



48.6091, 51.4541, 21.0053



34.2950, 51.4541, 56.8799



49.2033, 51.4541, 117.1955



67.1687, 51.4541, 55.1783

Rectangle

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



48.6091, 51.4541, 21.0053



37.2479, 51.4541, 31.4120



49.2033, 51.4541, 117.1955



62.7724, 51.4541, 90.9803

Sweetspot

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



48.6103, 51.4565, 21.0063



86.5440, 91.8809, 78.6487



37.4296, 26.4560, 25.4153



18.2908, 19.4352, 16.0310



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.



48.6103, 51.4565, 21.0063



68.1918, 71.5258, 22.1292



47.5797, 60.3012, 22.7679



13.2002, 13.9747, 13.1624



24.5514, 24.2200, 3.3809



1.5442, 1.5876, 0.2250

Inverse Universe

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



26.5969, 24.7447, 67.6643



32.3296, 28.0674, 98.3213



27.1326, 20.2219, 66.7631



11.9900, 12.5034, 15.7190



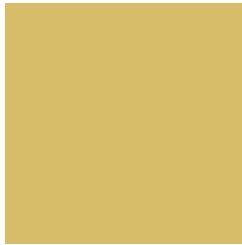
8.1755, 4.6128, 38.9126



0.5592, 0.4103, 2.3690

Previews

White Background



This preview shows how the XYZ color 48.6091, 51.4541, 21.0053 looks on a white background.

Color Contrast Check

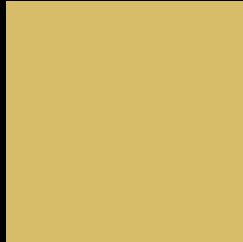
Large Text (above 18pt) WCAG AA × Fail

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 48.6091, 51.4541, 21.0053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

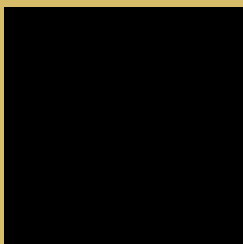
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

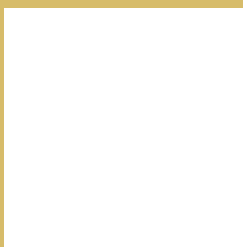
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6091, 51.4541, 21.0053

Background



This preview shows how black text looks on a background with the XYZ color 48.6091, 51.4541, 21.0053.



This preview shows how white text looks on a background with the XYZ color 48.6091, 51.4541,

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

48.6091, 51.4541, 21.0053

Protanopia

47.3618, 51.4438, 21.3433

Deuteranopia

52.5094, 51.2863, 21.3191



Tritanopia

55.8662, 51.3345, 56.8333

Trichromacy



Original Color

48.6091, 51.4541, 21.0053

Protanomaly

47.7154, 51.3056, 21.2980

Deuteranomaly

51.1584, 51.5113, 21.1563

Tritanomaly

52.6762, 51.2447, 40.8331

Monochromacy



Original Color

48.6091, 51.4541, 21.0053

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.9678, 49.8796, 39.5000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6091, 51.4541, 21.0053 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(215, 188, 106)` looks like.

```
.text, #text, p{  
    color:rgb(215, 188, 106)  
}
```

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(215, 188, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 188, 106) }
```

Border

The CSS property to change the border of an element to XYZ 48.6091, 51.4541, 21.0053 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(215, 188, 106) }
```


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

```
.border{ border-color:rgb(215, 188, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 188, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 188, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 188, 106);  
box-shadow:4px 4px 4px 4px rgb(215, 188,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6091, 51.4541, 21.0053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 188, 106) }
```

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

```
.background{ background-color: rgb(215,  
188, 106) }
```

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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