

Converting Colors

XYZ(47.5727, 53.8429, 10.3946)

Have a look what the booklet for
XYZ(47.5727, 53.8429, 10.3946)
contains.

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Color

**XYZ(47.6542, 53.8155,
10.3584)**

Conversions

Conversions Part 1

Format	Color
Hex	D5C42D
RGB	213, 196, 45
RGB Percent	84%, 77%, 18%
CMY	0.1647, 0.2313, 0.8235
CMYK	0.00, 0.08, 0.79, 0.16
HSL	54°, 67%, 51%
HSV	54°, 79%, 84%
XYZ	47.6542, 53.8155, 10.3584
YIQ	183.8690, 58.6030, -43.3570

Conversions

Conversions Part 2

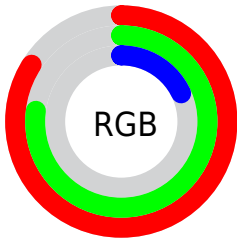
Format	Color
RYB	64, 213, 45
Decimal	14009389
CIELab	78.35, -9.48, 71.38
CIELCh	78, 72.006, 97.569
Yxy	53.8155, 0.4261, 0.4812
Android (android.graphics.Color)	4292199469 (0xFFD5C42D)
YUV	183.8690, -68.4624, 25.5479
Hunter-Lab	73.3590, -12.4243, 42.9795

Details

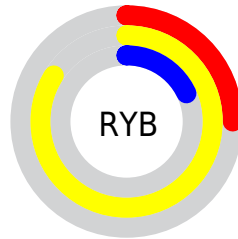
The XYZ color **47.6542, 53.8155, 10.3584** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **14.8153, 8.8073, 63.8695**, and the grayscale version is **45.8326, 48.2195, 52.5110**.

A 20% lighter version of the original color is **78.5491, 91.8803, 26.6914**, and **23.1489, 26.5149, 3.8978** is the 20% darker color. If you saturate the color by 10%, you get **46.8609, 52.7282, 8.5559**, and if you desaturate by 10%, it is **48.6636, 55.0046, 13.2538**.

Distribution



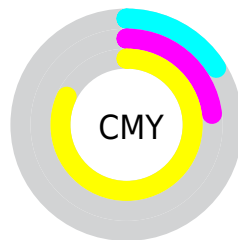
- Red (84%)
- Green (77%)
- Blue (18%)



- Red (25%)
- Yellow (84%)
- Blue (18%)



- Cyan (0%)
- Magenta (8%)
- Yellow (79%)
- Black (16%)




- Cyan (16%)
- Magenta (23%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6542, 53.8155, 10.3584 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 47.6542, 53.8155, 10.3584 by changing the saturation by 10% instead.


 47.6542, 53.8155,
10.3584


 47.6542, 53.8155,
10.3584


368.0253,
401.4061, 203.7881

 33.7632, 38.4542,
5.5285


 85.9021, 95.8033,
27.0858


 22.8738, 26.3354,
2.4965


 110.9898,
123.1986, 39.8203


 14.6205, 17.0747,
0.8383


 140.5404,
155.3739, 56.0268

 8.6381, 10.2878,
0.0000

 174.9194,
192.7138, 76.1239

 4.5611, 5.5902,
0.0000

 214.4920,
235.6025, 100.5300

 2.0242, 2.5975,
0.0000

 259.6236,

 0.6475, 0.9254,

284.4246, 129.6637

0.0000

310.6796,
339.5643, 163.9436

■ 0.0000, 0.0000,
0.0000

■ 47.6542, 53.8155,
10.3584

■ 47.6542, 53.8155,
10.3584

■ 46.8609, 52.7282,
8.5559

■ 48.6636, 55.0046,
13.2538

■ 46.2367, 51.7175,
7.6146

■ 49.9129, 56.2988,
17.3833

■ 46.1702, 51.6056,
7.5275

■ 51.4266, 57.7100,
22.8702

■ 53.2251, 59.2464,
29.8222

■ 55.3268, 60.9155,
38.3360

■ 57.7486, 62.7240,
48.5001

■ 60.5061, 64.6782,
60.3965

■ 63.6138, 66.7840,
74.1016

■ 67.0853, 69.0468,
89.6872

Harmonies

Analogous

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



62.2328, 53.8155, 12.0873



47.6542, 53.8155, 10.3584



36.3089, 53.8155, 16.0301

Triad

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



47.6542, 53.8155, 10.3584



32.4964, 53.8155, 119.9918



80.5968, 53.8155, 93.5818

Complementary

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



47.6542, 53.8155, 10.3584



14.8153, 8.8073, 63.8695

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.



69.5676, 53.8155, 144.4352



47.6542, 53.8155, 10.3584



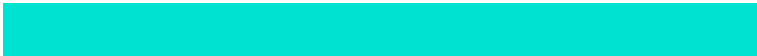
41.4679, 53.8155, 163.9557

Square

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



47.6542, 53.8155, 10.3584



28.6686, 53.8155, 69.4540



54.8128, 53.8155, 174.5181



83.0849, 53.8155, 48.9329

Rectangle

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



47.6542, 53.8155, 10.3584



31.4750, 53.8155, 25.9899



54.8128, 53.8155, 174.5181



77.6786, 53.8155, 111.0118

Sweetspot

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



47.6554, 53.8181, 10.3595



84.7719, 92.7796, 64.3615



29.3218, 16.4004, 6.5615



17.8725, 19.6528, 12.6418



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.



47.6554, 53.8181, 10.3595



69.7458, 78.1579, 11.7824



36.5898, 54.1299, 11.0029



13.3605, 14.2952, 13.2158



28.2463, 31.6098, 4.6126



1.7354, 1.9699, 0.2888

Inverse Universe

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



14.8153, 8.8073, 63.8695



18.8819, 8.6427, 95.2808



19.3053, 9.9582, 63.8550



11.8427, 12.2088, 15.6699



7.5412, 3.3443, 38.7012



0.4901, 0.2722, 2.3460

Previews

White Background



This preview shows how the XYZ color 47.6542, 53.8155, 10.3584 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 47.6542, 53.8155, 10.3584 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 47.6542, 53.8155, 10.3584

Background



This preview shows how black text looks on a background with the XYZ color 47.6542, 53.8155, 10.3584.

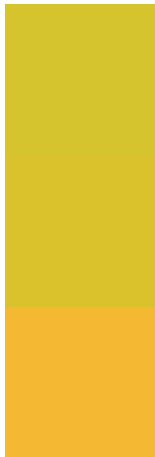


This preview shows how white text looks on a background with the XYZ color 47.6542, 53.8155,

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

47.6542, 53.8155, 10.3584

Protanopia

48.6789, 53.6785, 10.2780

Deuteranopia

55.0463, 53.7531, 10.6061



Tritanopia

57.7520, 53.7455, 60.1534

Trichromacy



Original Color

47.6542, 53.8155, 10.3584

Protanomaly

48.3077, 53.8186, 10.3246

Deuteranomaly

52.1419, 53.5118, 10.4864

Tritanomaly

52.3809, 53.1351, 33.0865

Monochromacy



Original Color

47.6542, 53.8155, 10.3584

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.7225, 49.2620, 29.3417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6542, 53.8155, 10.3584 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(213, 196, 45)` looks like.

```
.text, #text, p{  
    color:rgb(213, 196, 45)  
}
```

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(213, 196, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 196, 45) }
```

Border

The CSS property to change the border of an element to XYZ 47.6542, 53.8155, 10.3584 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(213, 196, 45) }
```


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

```
.border{ border-color:rgb(213, 196, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 196, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 196, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 196, 45);  
box-shadow:4px 4px 4px 4px rgb(213, 196,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6542, 53.8155, 10.3584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 196, 45) }
```

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

```
.background{ background-color: rgb(213,  
196, 45) }
```

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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