

# Converting Colors

XYZ(53.4247, 51.8426, 17.5468)

Have a look what the booklet for  
XYZ(53.4247, 51.8426, 17.5468)  
contains.

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# Color

**XYZ(53.4247, 51.8426,  
17.5468)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDB55D
RGB	237, 181, 93
RGB Percent	93%, 71%, 36%
CMY	0.0706, 0.2902, 0.6353
CMYK	0.00, 0.24, 0.61, 0.07
HSL	37°, 80%, 65%
HSV	37°, 61%, 93%
XYZ	53.4247, 51.8426, 17.5468
YIQ	187.7120, 61.6240, -15.4960

# Conversions

## Conversions Part 2

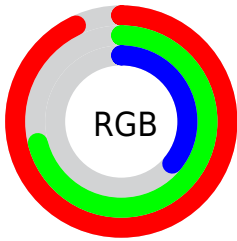
Format	Color
<a href="#">RYB</a>	<a href="#">185, 237, 93</a>
Decimal	<a href="#">15578461</a>
CIELab	<a href="#">77.19, 10.97, 51.83</a>
CIELCh	<a href="#">77, 52.979, 78.046</a>
Yxy	<a href="#">51.8426, 0.4350, 0.4221</a>
Android (android.graphics.Color)	<a href="#">4293768541</a> ( <a href="#">0xFFEDB55D</a> )
YUV	<a href="#">187.7120, -46.6930, 43.2256</a>
Hunter-Lab	<a href="#">72.0018, 6.4423, 35.9523</a>

# Details

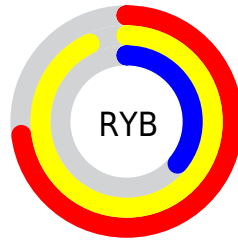
The XYZ color **53.4247, 51.8426, 17.5468** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **30.5472, 29.9352, 84.2883**, and the grayscale version is **47.8697, 50.3627, 54.8450**.

A 20% lighter version of the original color is **76.7125, 83.9037, 39.3460**, and **26.4795, 25.0634, 5.5399** is the 20% darker color. If you saturate the color by 10%, you get **50.7212, 47.8633, 12.2449**, and if you desaturate by 10%, it is **56.5799, 56.2050, 24.6047**.

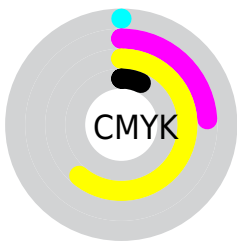
# Distribution



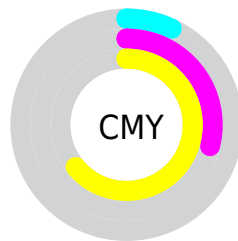
- Red (93%)
- Green (71%)
- Blue (36%)



- Red (73%)
- Yellow (93%)
- Blue (36%)



- Cyan (0%)
- Magenta (24%)
- Yellow (61%)
- Black (7%)



- Cyan (7%)
- Magenta (29%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4247, 51.8426, 17.5468 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 53.4247, 51.8426, 17.5468 by changing the saturation by 10% instead.



53.4247, 51.8426,  
17.5468

53.4247, 51.8426,  
17.5468

390.1466,  
393.8287, 250.4538

38.3708, 36.8796,  
10.4590

94.3909, 92.8991,  
40.0670

26.4491, 25.1143,  
5.5948

121.0338,  
119.7614, 56.3365

17.2943, 16.1622,  
2.5355

152.2704,  
151.3589, 76.5037

10.5412, 9.6390,  
0.8589

188.4661,  
188.0760, 100.9872

5.8242, 5.1603,  
0.0000

229.9862,  
230.2972, 130.2053

2.7781, 2.3416,  
0.0000

277.1961,

1.0375, 0.7956,

278.4067, 164.5768

0.0000

330.4611,  
332.7891, 204.5201

■ 0.0000, 0.0000,  
0.0000

■ 53.4247, 51.8426,  
17.5468

■ 53.4247, 51.8426,  
17.5468

■ 50.7212, 47.8633,  
12.2449

■ 56.5799, 56.2050,  
24.6047

■ 48.4320, 44.2423,  
8.5309

■ 60.2125, 60.9584,  
33.5595

■ 46.5189, 40.9622,  
6.2088

■ 64.3505, 66.1195,  
44.5412

■ 45.0262, 38.2071,  
5.0016

■ 69.0181, 71.7017,  
57.6675

■ 74.2381, 77.7174,  
73.0469

■ 80.0316, 84.1784,  
90.7805

■ 85.7837, 90.8421,  
107.6207

■ 88.6494, 96.5735,  
108.5760

■ 88.7348, 96.7444,  
108.6045

# Harmonies

## Analogous

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



63.4929, 51.8426, 24.2718



53.4247, 51.8426, 17.5468



43.4783, 51.8426, 18.2611

# Triad

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



53.4247, 51.8426, 17.5468



32.9640, 51.8426, 75.5728



65.2436, 51.8426, 102.6128

# Complementary

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



53.4247, 51.8426, 17.5468



30.5472, 29.9352, 84.2883

# 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.



55.5649, 51.8426, 127.9262



53.4247, 51.8426, 17.5468



37.3556, 51.8426, 108.9904

# Square

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



53.4247, 51.8426, 17.5468



32.5555, 51.8426, 45.6537



45.3456, 51.8426, 130.5944



70.9169, 51.8426, 68.8218



# Rectangle

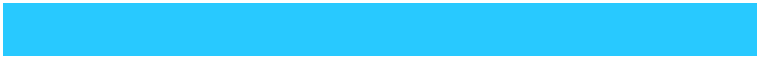
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.4247, 51.8426, 17.5468



38.2089, 51.8426, 22.9038



45.3456, 51.8426, 130.5944



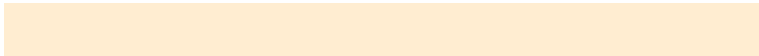
62.2943, 51.8426, 112.8304

# Sweetspot

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



53.4259, 51.8451, 17.5478



83.0892, 86.5247, 72.7082



44.3930, 28.0550, 32.1841



17.4147, 18.0879, 14.4909



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.



53.4259, 51.8451, 17.5478



59.1639, 55.3965, 13.1802



62.5681, 76.9828, 21.9180



15.8317, 16.5865, 15.8858



24.7140, 21.1222, 2.7744



2.0336, 1.8445, 0.2488



# Inverse Universe

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



30.5472, 29.9352, 84.2883



30.0531, 27.5986, 98.3508



25.3125, 17.0944, 82.0857



14.7115, 15.5095, 19.1405



10.5610, 7.7689, 44.6859



0.9203, 0.7920, 3.5392



# Previews

## White Background



This preview shows how the XYZ color 53.4247, 51.8426, 17.5468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

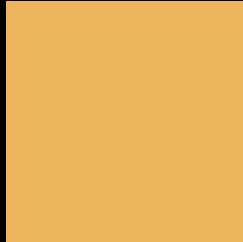
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.4247, 51.8426, 17.5468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

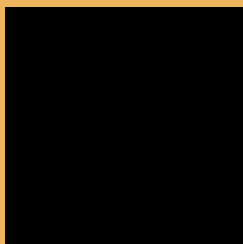
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.4247, 51.8426, 17.5468**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.4247, 51.8426, 17.5468.



This preview shows how white text looks on a background with the XYZ color 53.4247, 51.8426,



# 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

53.4247, 51.8426, 17.5468

### Protanopia

47.6061, 51.9550, 18.5855

### Deuteranopia

52.9647, 51.9084, 17.5837



## Tritanopia

60.5229, 51.8196, 52.1597

# Trichromacy



## Original Color

53.4247, 51.8426, 17.5468

## Protanomaly

49.3511, 51.5825, 18.1818

## Deuteranomaly

53.2958, 52.0791, 17.5992

## Tritanomaly

57.1915, 51.5951, 36.2227

# Monochromacy



## Original Color

53.4247, 51.8426, 17.5468

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

48.5523, 50.1196, 37.2521

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.4247, 51.8426, 17.5468 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(237, 181, 93)` looks like.

```
.text, #text, p{  
    color:rgb(237, 181, 93)  
}
```

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(237, 181, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 181, 93) }
```

## Border

The CSS property to change the border of an element to XYZ 53.4247, 51.8426, 17.5468 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(237, 181, 93) }
```



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

```
.border{ border-color:rgb(237, 181, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 181, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 181, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 181, 93);  
box-shadow:4px 4px 4px 4px rgb(237, 181,  
93) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.4247, 51.8426, 17.5468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 181, 93) }
```

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

```
.background{ background-color: rgb(237,  
181, 93) }
```

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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