

Converting Colors

XYZ(53.0471, 52.2217, 13.6745)

Have a look what the booklet for
XYZ(53.0471, 52.2217, 13.6745)
contains.

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Color

**XYZ(53.0946, 52.3659,
13.7878)**

Conversions

Conversions Part 1

Format	Color
Hex	EDB74A
RGB	237, 183, 74
RGB Percent	93%, 72%, 29%
CMY	0.0706, 0.2823, 0.7098
CMYK	0.00, 0.23, 0.69, 0.07
HSL	40°, 82%, 61%
HSV	40°, 69%, 93%
XYZ	53.0946, 52.3659, 13.7878
YIQ	186.7200, 67.1730, -22.4510

Conversions

Conversions Part 2

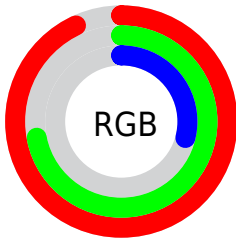
Format	Color
RYB	155, 237, 74
Decimal	15578954
CIELab	77.50, 8.77, 60.77
CIELCh	77, 61.403, 81.784
Yxy	52.3659, 0.4452, 0.4391
Android (android.graphics.Color)	4293769034 (0xFFEDB74A)
YUV	186.7200, -55.5710, 44.0956
Hunter-Lab	72.3643, 4.3302, 39.3583

Details

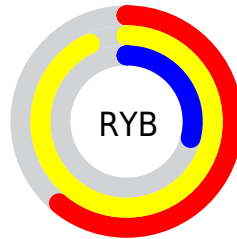
The XYZ color **53.0946, 52.3659, 13.7878** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **25.8290, 23.0078, 83.2000**, and the grayscale version is **47.3542, 49.8203, 54.2543**.

A 20% lighter version of the original color is **76.0028, 84.5515, 32.7364**, and **26.1867, 25.3414, 3.8920** is the 20% darker color. If you saturate the color by 10%, you get **50.8674, 48.9579, 9.8209**, and if you desaturate by 10%, it is **55.7151, 56.0799, 19.3700**.

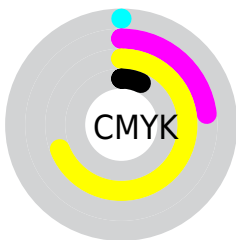
Distribution



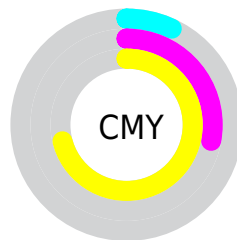
- Red (93%)
- Green (72%)
- Blue (29%)



- Red (61%)
- Yellow (93%)
- Blue (29%)



- Cyan (0%)
- Magenta (23%)
- Yellow (69%)
- Black (7%)





- Cyan (7%)
- Magenta (28%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0946, 52.3659, 13.7878 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 53.0946, 52.3659, 13.7878 by changing the saturation by 10% instead.


 53.0946, 52.3659,
13.7878


 53.0946, 52.3659,
13.7878


388.9029,
395.8476, 227.2890


 38.1061, 37.2968,
7.8362

 93.9083, 93.6706,
33.4237


 26.2426, 25.4374,
3.9040


 120.4641,
120.6751, 47.9451


 17.1389, 16.4032,
1.5728


 151.6065,
152.4268, 66.1601

 10.4295, 9.8099,
0.2713

 187.7006,
189.3101, 88.4873

 5.7491, 5.2731,
0.0000

 229.1120,
231.7094, 115.3453

 2.7323, 2.4084,
0.0000

276.2059,

 1.0138, 0.8302,

280.0092, 147.1526

0.0000

329.3478,
334.5938, 184.3276

■ 0.0000, 0.0000,
0.0000

■ 53.0946, 52.3659,
13.7878

■ 53.0946, 52.3659,
13.7878

■ 50.8674, 48.9579,
9.8209

■ 55.7151, 56.0799,
19.3700

■ 48.9928, 45.8310,
7.2771

■ 58.7571, 60.1073,
26.7241


■ 47.4172, 42.9636,
5.8770


■ 62.2497, 64.4639,
35.9916


■ 47.2359, 42.6265,
5.7381


■ 66.2181, 69.1621,
47.2988

■ 70.6855, 74.2132,
60.7610

 75.6734, 79.6280,
76.4847

 81.2019, 85.4165,
94.5697

 85.8735, 91.0216,
107.6507

 88.3097, 95.8941,
108.4627

Harmonies

Analogous

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



65.2141, 52.3659, 19.6186



53.0946, 52.3659, 13.7878



41.7979, 52.3659, 15.3927

Triad

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



53.0946, 52.3659, 13.7878



31.4948, 52.3659, 84.7755



69.8714, 52.3659, 107.5670

Complementary

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



53.0946, 52.3659, 13.7878



25.8290, 23.0078, 83.2000

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.



58.7012, 52.3659, 141.4408



53.0946, 52.3659, 13.7878



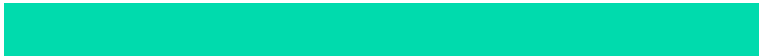
36.9834, 52.3659, 125.0555

Square

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



53.0946, 52.3659, 13.7878



30.4806, 52.3659, 48.2043



46.5914, 52.3659, 148.8677



75.8546, 52.3659, 66.8444

Rectangle

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



53.0946, 52.3659, 13.7878



36.1003, 52.3659, 20.9270



46.5914, 52.3659, 148.8677



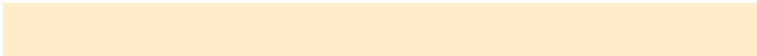
66.5220, 52.3659, 120.7052

Sweetspot

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



53.0958, 52.3685, 13.7888



82.1956, 86.2181, 67.8459



41.2923, 24.4698, 23.0848



17.2756, 18.0970, 13.5586



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.



53.0958, 52.3685, 13.7888



59.0085, 56.0889, 10.0355



58.0511, 74.7397, 17.8457



15.9072, 16.7373, 15.9110



25.9144, 23.5231, 3.1746



2.1225, 2.0222, 0.2785

Inverse Universe

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



25.8290, 23.0078, 83.2000



25.0176, 19.6543, 97.0828



23.1208, 13.7889, 81.5633



14.6388, 15.3641, 19.1163



9.9601, 6.5672, 44.4856



0.8674, 0.6863, 3.5216

Previews

White Background



This preview shows how the XYZ color 53.0946, 52.3659, 13.7878 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 53.0946, 52.3659, 13.7878 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 53.0946, 52.3659, 13.7878

Background



This preview shows how black text looks on a background with the XYZ color 53.0946, 52.3659, 13.7878.



This preview shows how white text looks on a background with the XYZ color 53.0946, 52.3659,

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

53.0946, 52.3659, 13.7878

Protanopia

47.9207, 52.5312, 14.6350

Deuteranopia

53.5606, 52.3010, 13.7507



Tritanopia

61.1657, 52.4203, 52.7933

Trichromacy



Original Color

53.0946, 52.3659, 13.7878

Protanomaly

49.6263, 52.4466, 14.3451

Deuteranomaly

53.2239, 52.1275, 13.7350

Tritanomaly

57.2541, 51.9722, 33.8021

Monochromacy



Original Color

53.0946, 52.3659, 13.7878

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.9241, 50.1723, 34.3525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0946, 52.3659, 13.7878 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, 183, 74)` looks like.

```
.text, #text, p{  
    color:rgb(237, 183, 74)  
}
```

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, 183, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 183, 74) }
```

Border

The CSS property to change the border of an element to XYZ 53.0946, 52.3659, 13.7878 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, 183, 74) }
```


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

```
.border{ border-color:rgb(237, 183, 74) }
```

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

Here you see how a box with a 4 pixel rgb(237, 183, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 183, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 183, 74);  
box-shadow:4px 4px 4px 4px rgb(237, 183,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0946, 52.3659, 13.7878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 183, 74) }
```

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

```
.background{ background-color: rgb(237,  
183, 74) }
```

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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