

Converting Colors

XYZ(104.2225, 92.8399,
15.3941)

Have a look what the booklet for
XYZ(104.2225, 92.8399, 15.3941)
contains.

XYZ(68.2034, 74.2656, 13.7576)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.2034, 74.2656,
13.7576)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDF32
RGB	255, 223, 50
RGB Percent	100%, 87%, 20%
CMY	0.0000, 0.1255, 0.8039
CMYK	0.00, 0.13, 0.80, 0.00
HSL	51°, 100%, 60%
HSV	51°, 80%, 100%
XYZ	68.2034, 74.2656, 13.7576
YIQ	212.8460, 74.6050, -47.0190

Conversions

Conversions Part 2

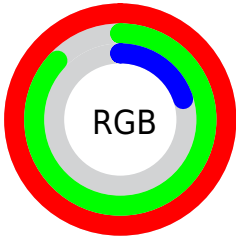
Format	Color
R _Y B	88, 255, 50
Decimal	16768818
CIE Lab	89.05, -5.16, 80.76
CIE LCh	89, 80.922, 93.653
Yxy	74.2656, 0.4366, 0.4754
Android (android.graphics.Color)	4294958898 (0xFFFFDF32)
YUV	212.8460, -80.2831, 36.9691
Hunter-Lab	86.1775, -9.5405, 50.8590

Details

The XYZ color **68.2034, 74.2656, 13.7576** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **22.3830, 13.9329, 96.1167**, and the grayscale version is **63.6299, 66.9436, 72.9016**.

A 20% lighter version of the original color is **79.9246, 93.9499, 29.2509**, and **36.2508, 39.4746, 5.7087** is the 20% darker color. If you saturate the color by 10%, you get **66.7485, 72.0051, 11.2725**, and if you desaturate by 10%, it is **69.9925, 76.7056, 17.8647**.

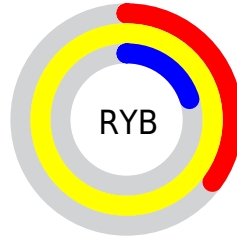
Distribution



Red (100%)

Green (87%)

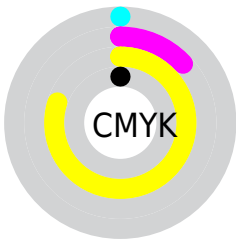
Blue (20%)



Red (35%)

Yellow (100%)

Blue (20%)

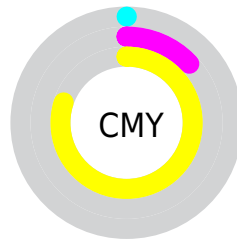


Cyan (0%)

Magenta (13%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2034, 74.2656, 13.7576 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 68.2034, 74.2656, 13.7576 by changing the saturation by 10% instead.

68.2034, 74.2656,
13.7576

68.2034, 74.2656,
13.7576

443.5818,
475.3895, 227.0933

50.3375, 55.0115,
7.8154

115.6834,
125.2722, 33.3692

35.9005, 39.4109,
3.8910

146.0282,
157.7935, 47.8758

24.5271, 27.0795,
1.5657

181.2633,
195.5060, 66.0742

15.8520, 17.6330,
0.2662

221.7542,
238.7940, 88.3830

9.5096, 10.6868,
0.0000

267.8661,
288.0420, 115.2208

5.1348, 5.8566,
0.0000

319.9644,

2.3622, 2.7581,

343.6343, 147.0061

0.0000

378.4145,
405.9553, 184.1574

■ 0.8262, 1.0068,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.2034, 74.2656,
13.7576

■ 68.2034, 74.2656,
13.7576

■ 66.7485, 72.0051,
11.2725

■ 69.9925, 76.7056,
17.8647

■ 65.5917, 69.9638,
10.0473

■ 72.1555, 79.3325,
23.8236

■ 74.7313, 82.1650,
31.8315

■ 77.7525, 85.2165,
42.0594

■ 81.2485, 88.4990,
54.6604

■ 85.2457, 92.0232,
69.7738

■ 89.7688, 95.7994,
87.5283

94.8406, 99.8368,
108.0437

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



88.7509, 74.2656, 17.4330



68.2034, 74.2656, 13.7576



51.6232, 74.2656, 20.0355

Triad

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



68.2034, 74.2656, 13.7576



43.5384, 74.2656, 157.0251



110.2229, 74.2656, 139.1346

Complementary

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



68.2034, 74.2656, 13.7576



22.3830, 13.9329, 96.1167

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.



93.7054, 74.2656, 208.8002



68.2034, 74.2656, 13.7576



55.0880, 74.2656, 222.0689

Square

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



68.2034, 74.2656, 13.7576



39.1543, 74.2656, 87.9665



73.0260, 74.2656, 244.4280



115.4927, 74.2656, 74.1519

Rectangle

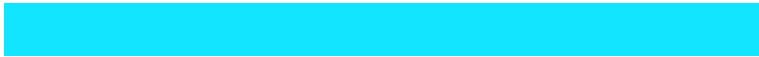
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.2034, 74.2656, 13.7576



44.2821, 74.2656, 32.1333



73.0260, 74.2656, 244.4280



105.6680, 74.2656, 163.6131

Sweetspot

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



68.2051, 74.2692, 13.7591



83.7435, 90.7227, 64.0187



43.9877, 24.1845, 10.7727



17.6213, 19.1504, 12.5581



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.



68.2051, 74.2692, 13.7591



66.0558, 70.8023, 10.4776



56.7482, 82.2729, 15.9078



19.3056, 20.5793, 19.0990



34.3640, 36.7393, 5.2802



3.4080, 3.7014, 0.5348

Inverse Universe

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



22.3830, 13.9329, 96.1167



19.2513, 9.4330, 95.4138



26.7080, 13.3771, 95.7815



17.2319, 17.8353, 22.7843



9.8919, 4.6935, 49.8192



1.0263, 0.5833, 4.8718

Previews

White Background



This preview shows how the XYZ color 68.2034, 74.2656, 13.7576 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 68.2034, 74.2656, 13.7576 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 68.2034, 74.2656, 13.7576

Background



This preview shows how black text looks on a background with the XYZ color 68.2034, 74.2656, 13.7576.



This preview shows how white text looks on a background with the XYZ color 68.2034, 74.2656,

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

68.2034, 74.2656, 13.7576

Protanopia

67.3763, 74.2370, 13.7957

Deuteranopia

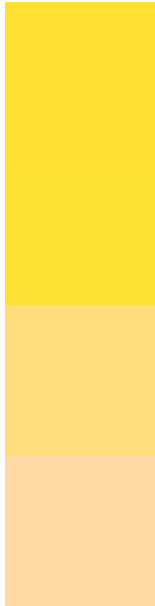
73.1943, 74.1560, 46.5322



Tritanopia

78.4888, 74.2303, 80.7121

Trichromacy



Original Color

68.2034, 74.2656, 13.7576

Protanomaly

67.7394, 74.4242, 13.8127

Deuteranomaly

70.4713, 73.9016, 29.6190

Tritanomaly

72.4859, 73.4589, 44.0768

Monochromacy



Original Color

68.2034, 74.2656, 13.7576

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.6405, 68.4528, 40.4831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2034, 74.2656, 13.7576 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(255, 223, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 50)  
}
```

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(255, 223, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 50) }
```

Border

The CSS property to change the border of an element to XYZ 68.2034, 74.2656, 13.7576 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(255, 223, 50) }
```


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

```
.border{ border-color:rgb(255, 223, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2034, 74.2656, 13.7576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 50) }
```

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

```
.background{ background-color: rgb(255,  
223, 50) }
```

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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