

Converting Colors

XYZ(72.5425, 83.1857, 14.4581)

Have a look what the booklet for
XYZ(72.5425, 83.1857, 14.4581)
contains.

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Color

**XYZ(72.5244, 83.1602,
14.4196)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEF2A
RGB	255, 239, 42
RGB Percent	100%, 94%, 16%
CMY	0.0000, 0.0627, 0.8353
CMYK	0.00, 0.06, 0.84, 0.00
HSL	55°, 100%, 58%
HSV	55°, 84%, 100%
XYZ	72.5244, 83.1602, 14.4196
YIQ	221.3260, 72.7730, -57.8750

Conversions

Conversions Part 2

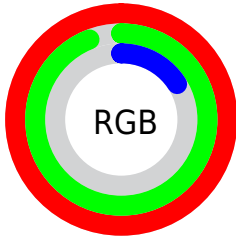
Format	Color
R _{YB}	59, 255, 42
Decimal	16772906
CIE Lab	93.08, -13.29, 86.13
CIE LCh	93, 87.153, 98.774
Yxy	83.1602, 0.4264, 0.4889
Android (android.graphics.Color)	4294962986 (0xFFFFEF2A)
YUV	221.3260, -88.4077, 29.5321
Hunter-Lab	91.1922, -17.6268, 54.4594

Details

The XYZ color **72.5244, 83.1602, 14.4196** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **20.5184, 10.7388, 95.5983**, and the grayscale version is **69.5257, 73.1464, 79.6564**.

A 20% lighter version of the original color is **79.7603, 93.8841, 28.3856**, and **39.1816, 45.3363, 6.6857** is the 20% darker color. If you saturate the color by 10%, you get **71.6479, 81.9206, 12.5465**, and if you desaturate by 10%, it is **73.7002, 84.5354, 17.8235**.

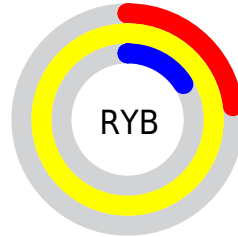
Distribution



Red (100%)

Green (94%)

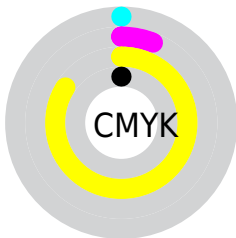
Blue (16%)



Red (23%)

Yellow (100%)

Blue (16%)

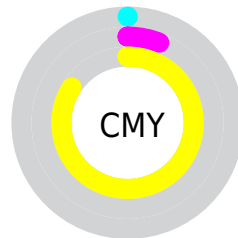


Cyan (0%)

Magenta (6%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.5244, 83.1602, 14.4196 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 72.5244, 83.1602, 14.4196 by changing the saturation by 10% instead.


 72.5244, 83.1602,
14.4196


 72.5244, 83.1602,
14.4196


458.4941,
505.5203, 231.3443

 53.8742, 62.3223,
8.2710


 121.8086,
137.7998, 34.5595


 38.7313, 45.2932,
4.1786


 153.1732,
172.3703, 49.3879


 26.7306, 31.6884,
1.7238


 189.5067,
212.2872, 67.9466

 17.5065, 21.1236,
0.3770

 231.1744,
257.9348, 90.6542

 10.6938, 13.2144,
0.0000

 278.5416,
309.6975, 117.9292

 5.9271, 7.5763,
0.0000

331.9737,

 2.8410, 3.8251,

367.9597, 150.1902

0.0000

391.8361,
433.1058, 187.8557

■ 1.0703, 1.5762,
0.0000

■ 0.0000, 0.3415,
0.0000

■ 72.5244, 83.1602,
14.4196

■ 72.5244, 83.1602,
14.4196

■ 71.6479, 81.9206,
12.5465


■ 73.7002, 84.5354,
17.8235


■ 71.1927, 81.1659,
11.9143


■ 75.2175, 86.0535,
23.0041

■ 77.1172, 87.7342,
30.1690


■ 79.4331, 89.5909,
39.4961

 82.1952, 91.6357,
51.1433

 85.4307, 93.8796,
65.2539

 89.1648, 96.3325,
81.9597

 93.4205, 99.0038,
101.3830

 95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



96.0456, 83.1602, 16.5968



72.5244, 83.1602, 14.4196



54.5874, 83.1602, 23.5957

Triad

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



72.5244, 83.1602, 14.4196



49.4884, 83.1602, 194.4676



127.4987, 83.1602, 144.1928

Complementary

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



72.5244, 83.1602, 14.4196



20.5184, 10.7388, 95.5983

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.



109.8854, 83.1602, 228.4051



72.5244, 83.1602, 14.4196



64.1727, 83.1602, 265.8663

Square

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



72.5244, 83.1602, 14.4196



43.0747, 83.1602, 111.1383



85.9373, 83.1602, 280.6199



130.9224, 83.1602, 72.6710

Rectangle

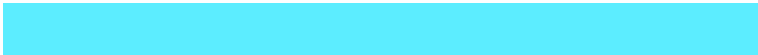
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.5244, 83.1602, 14.4196



47.0988, 83.1602, 39.7127



85.9373, 83.1602, 280.6199



122.8985, 83.1602, 172.7340

Sweetspot

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



72.5263, 83.1641, 14.4213



84.9235, 93.5365, 63.0130



42.8773, 23.2402, 6.4677



17.9274, 19.8492, 12.3927



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.



72.5263, 83.1641, 14.4213



71.1933, 81.1666, 11.9144



51.9570, 79.8211, 14.8601



19.4376, 20.8434, 19.1430



37.2492, 42.5097, 6.2419



3.6602, 4.2058, 0.6189

Inverse Universe

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



20.5184, 10.7388, 95.5983



18.2854, 7.6907, 95.1285



28.2005, 13.6825, 95.7615



17.1125, 17.5967, 22.7445



9.5934, 4.0964, 49.7196



0.9703, 0.4712, 4.8531

Previews

White Background



This preview shows how the XYZ color 72.5244, 83.1602, 14.4196 looks on a white background.

Color Contrast Check

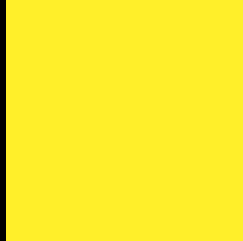
Large Text (above 18pt) WCAG AA × Fail

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 72.5244, 83.1602, 14.4196 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 72.5244, 83.1602, 14.4196

Background



This preview shows how black text looks on a background with the XYZ color 72.5244, 83.1602, 14.4196.



This preview shows how white text looks on a background with the XYZ color 72.5244, 83.1602,

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

72.5244, 83.1602, 14.4196

Protanopia

76.2148, 82.7832, 39.5656

Deuteranopia

80.7573, 83.2375, 67.6872



Tritanopia

84.4160, 82.9199, 92.4448

Trichromacy



Original Color

72.5244, 83.1602, 14.4196



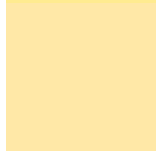
Protanomaly

73.9958, 82.3550, 26.4641



Deuteranomaly

75.9824, 82.6903, 38.3417



Tritanomaly

77.0717, 81.7632, 48.2790

Monochromacy



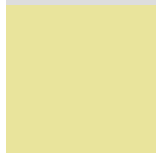
Original Color

72.5244, 83.1602, 14.4196



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

67.3484, 75.2107, 42.4200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5244, 83.1602, 14.4196 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, 239, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 42)  
}
```

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, 239, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 42) }
```

Border

The CSS property to change the border of an element to XYZ 72.5244, 83.1602, 14.4196 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, 239, 42) }
```


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

```
.border{ border-color:rgb(255, 239, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5244, 83.1602, 14.4196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 42) }
```

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

```
.background{ background-color: rgb(255,  
239, 42) }
```

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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