

Converting Colors

XYZ(71.6062, 81.5859, 13.3051)

Have a look what the booklet for
XYZ(71.6062, 81.5859, 13.3051)
contains.

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Color

**XYZ(71.4962, 81.3552,
13.3014)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEC20
RGB	255, 236, 32
RGB Percent	100%, 93%, 13%
CMY	0.0000, 0.0745, 0.8745
CMYK	0.00, 0.07, 0.87, 0.00
HSL	55°, 100%, 56%
HSV	55°, 87%, 100%
XYZ	71.4962, 81.3552, 13.3014
YIQ	218.4250, 76.8080, -59.4160

Conversions

Conversions Part 2

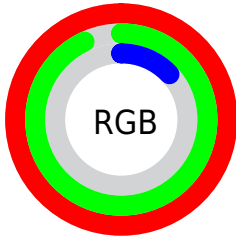
Format	Color
R_{YB}	53, 255, 32
Decimal	16772128
CIE _{Lab}	92.29, -12.04, 87.47
CIE _{LCh}	92, 88.293, 97.836
Yxy	81.3552, 0.4303, 0.4896
Android (android.graphics.Color)	4294962208 (0xFFFFEC20)
YUV	218.4250, -91.9075, 32.0763
Hunter-Lab	90.1971, -16.3541, 54.3945

Details

The XYZ color **71.4962, 81.3552, 13.3014** 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 **19.8301, 9.8955, 95.4719**, and the grayscale version is **67.5153, 71.0313, 77.3531**.

A 20% lighter version of the original color is **79.4482, 93.7593, 26.7419**, and **38.7720, 44.5171, 6.5492** is the 20% darker color. If you saturate the color by 10%, you get **70.6512, 80.0258, 11.9099**, and if you desaturate by 10%, it is **72.6177, 82.8136, 16.0958**.

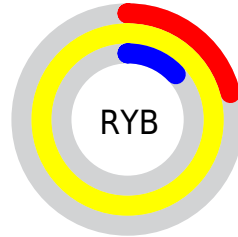
Distribution



Red (100%)

Green (93%)

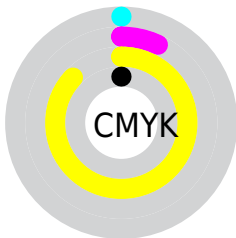
Blue (13%)



Red (21%)

Yellow (100%)

Blue (13%)

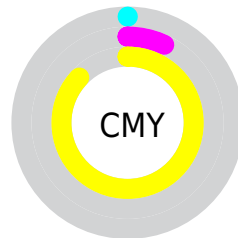


Cyan (0%)

Magenta (7%)

Yellow (87%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4962, 81.3552, 13.3014 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 71.4962, 81.3552, 13.3014 by changing the saturation by 10% instead.

71.4962, 81.3552,
13.3014

71.4962, 81.3552,
13.3014

454.9710,
499.4883, 224.1156

53.0312, 60.8342,
7.5033

120.3547,
135.2694, 32.5433

38.0553, 44.0914,
3.6956

151.4789,
169.4314, 46.8241

26.2030, 30.7423,
1.4599

187.5535,
208.9091, 64.7696

17.1090, 20.4027,
0.1878

228.9440,
254.0870, 86.7983

10.4081, 12.6881,
0.0000

276.0156,
305.3495, 113.3287

5.7347, 7.2141,
0.0000

329.1338,

2.7235, 3.5964,

363.0810, 144.7793

0.0000

388.6638,
427.6658, 181.5688

■ 1.0093, 1.4505,
0.0000

■ 0.0000, 0.2535,
0.0000

■ 71.4962, 81.3552,
13.3014

■ 71.4962, 81.3552,
13.3014

■ 70.6512, 80.0258,
11.9099


■ 72.6177, 82.8136,
16.0958


■ 70.4580, 79.6964,
11.6694


■ 74.0650, 84.4115,
20.5759


■ 75.8818, 86.1693,
26.9642

■ 78.1038, 88.1016,
35.4481

 80.7623, 90.2208,
46.1929

 83.8856, 92.5383,
59.3470

 87.4996, 95.0644,
75.0464

 91.6281, 97.8089,
93.4169

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



95.0897, 81.3552, 15.7275



71.4962, 81.3552, 13.3014



53.4116, 81.3552, 21.7844

Triad

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



71.4962, 81.3552, 13.3014



47.5895, 81.3552, 190.1916



125.4986, 81.3552, 144.9543

Complementary

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



71.4962, 81.3552, 13.3014



19.8301, 9.8955, 95.4719

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.



107.4860, 81.3552, 229.5167



71.4962, 81.3552, 13.3014



61.9244, 81.3552, 263.3786

Square

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



71.4962, 81.3552, 13.3014



41.4921, 81.3552, 106.8436



83.4637, 81.3552, 280.5124



129.4516, 81.3552, 72.5296

Rectangle

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



71.4962, 81.3552, 13.3014



45.8103, 81.3552, 37.1101



83.4637, 81.3552, 280.5124



120.7374, 81.3552, 173.7378

Sweetspot

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



71.4980, 81.3591, 13.3030



84.3777, 92.8909, 61.4561



42.4298, 22.5629, 5.6474



17.8119, 19.7035, 12.0915



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.



71.4980, 81.3591, 13.3030



70.4585, 79.6970, 11.6695



51.7057, 79.7098, 14.0279



19.4211, 20.8104, 19.1375



36.8711, 41.7534, 6.1159



3.6274, 4.1401, 0.6079

Inverse Universe

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



19.8301, 9.8955, 95.4719



18.3316, 7.7831, 95.1439



26.4811, 12.3337, 95.5920



17.1273, 17.6263, 22.7495



9.6211, 4.1518, 49.7289



0.9772, 0.4852, 4.8554

Previews

White Background



This preview shows how the XYZ color 71.4962, 81.3552, 13.3014 looks on a white background.

Color Contrast Check

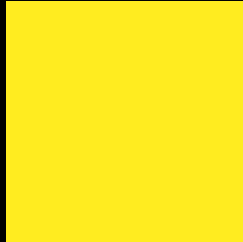
Large Text (above 18pt) WCAG AA × Fail

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 71.4962, 81.3552, 13.3014 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 71.4962, 81.3552, 13.3014

Background



This preview shows how black text looks on a background with the XYZ color 71.4962, 81.3552, 13.3014.



This preview shows how white text looks on a background with the XYZ color 71.4962, 81.3552,

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

71.4962, 81.3552, 13.3014

Protanopia

74.3414, 81.1228, 32.5089

Deuteranopia

79.1096, 81.2388, 63.1409



Tritanopia

83.1606, 81.1086, 89.8697

Trichromacy



Original Color

71.4962, 81.3552, 13.3014



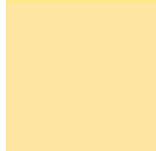
Protanomaly

72.6832, 80.9138, 22.3768



Deuteranomaly

74.5405, 80.7508, 34.9503



Tritanomaly

75.6923, 79.8718, 45.1456

Monochromacy



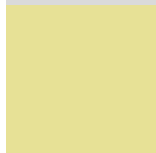
Original Color

71.4962, 81.3552, 13.3014



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

65.3852, 73.0414, 39.5064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4962, 81.3552, 13.3014 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, 236, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 32)  
}
```

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, 236, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 32) }
```

Border

The CSS property to change the border of an element to XYZ 71.4962, 81.3552, 13.3014 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".

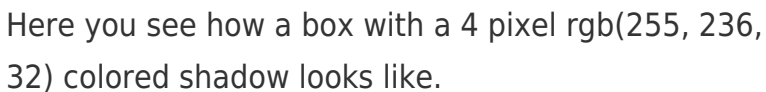
```
.border, #border, table{ border:4px solid rgb(255, 236, 32) }
```


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

```
.border{ border-color:rgb(255, 236, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 32)` colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4962, 81.3552, 13.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 32) }
```

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

```
.background{ background-color: rgb(255,  
236, 32) }
```

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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